From:

Mahoney, Frank (CDC/CGH/GID)

Sent:

Monday, October 20, 2014 11:45 AM

To:

Feldmann, Heinrich (NIH/NIAID) [E]; Lane, Cliff (NIH/NIAID) [E]; Jahrling, Peter (NIH/NIAID) [E]; Zoon, Kathryn (NIH/NIAID) [E]; Nichol, Stuart T. (CDC/OID/NCEZID);

Casellas, Rafael (NIH/NIAMS) [E]

Ces

Damon, Inger K. (CDC/OID/NCEZID); Pineda, Mark (NIH/NIAID) [E]; Handley, Gray

(NIH/NIAID) [E]; Hensley, Lisa (NIH/NIAID) [E]; Fauci, Anthony (NIH/NIAID) [E]

Subject:

RE: MOU

I talked with the minister about signing a separate agreement of NIH and Dod. he is agreeable to do this....

rank	Ť			

Original Message om: Nichol, Stuart T. (CDC/OID/NCEZID) nt: Sunday, October 19, 2014 20:59 AM Eastern Standard Time nt: Sunday, October 19, 2014 20:59 AM Eastern Standard Time s: Fedmann, Heinrich (NIH/NIAID) [E]; Casellas, Rafael HK/NIAMS; [E]: Damon, Inger K. (CDC/OID/NCEZID); Mahoney, Frank (CDC/CGH/GID) bject: Fw: MOU in you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is fling to try to assist with getting an NIH-MOH MOU in place. Who would sign from the NIH side? uart nt from my BlackBerry 10 smartphone.)	
om: Nichol, Stuart T. (CDC/DID/NCEZID) int: Sunday, October 19, 2014 10:59 AM Eastern Standard Time in: Feldmann, Heinrich (NIH/NIAID) [E]; Jahrling, Peter (NIH/NIAID) [E]; Zoon, Kathryn (NIH/NIAID) [E]; Casellas, Rafael IH/NIAMS) [E] i: Damon, Inger K. (CDC/OID/NCEZID); Mahoney, Frank (CDC/CGH/GID) ibject: Fw: MOU in you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is illing to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side? uart int.from my BlackBerry 10 smartphone.		
om: Nichol, Stuart T. (CDC/DID/NCEZID) int: Sunday, October 19, 2014 10:59 AM Eastern Standard Time in: Feldmann, Heinrich (NIH/NIAID) [E]; Jahrling, Peter (NIH/NIAID) [E]; Zoon, Kathryn (NIH/NIAID) [E]; Casellas, Rafael IH/NIAMS) [E] i: Damon, Inger K. (CDC/OID/NCEZID); Mahoney, Frank (CDC/CGH/GID) ibject: Fw: MOU in you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is illing to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side? uart int.from my BlackBerry 10 smartphone.		
om: Nichol, Stuart T. (CDC/OID/NCEZID) nt: Sunday, October 19, 2014 10:59 AM Eastern Standard Time : Feldmann, Heinrich (NIH/NIAID) [E]; Jahrling, Peter (NIH/NIAID) [E]; Zoon, Kathryn (NIH/NIAID) [E]; Casellas, Rafael iH/NIAMS) [E] : Damon, Inger K. (CDC/OID/NCEZID); Mahoney, Frank (CDC/CGH/GID) bject: Fw: MOU In you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is lling to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side?		
om: Nichol, Stuart T. (CDC/DID/NCEZID) nt: Sunday, October 19, 2014 10:59 AM Eastern Standard Time Feldmann, Heinrich (NIH/NIAID) [E]; Jahrling, Peter (NIH/NIAID) [E]; Zoon, Kathryn (NIH/NIAID) [E]; Casellas, Rafael (H/NIAMS) [E] Damon, Inger K. (CDC/OID/NCEZID); Mahoney, Frank (CDC/CGH/GID) bject: Fw: MOU n you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is lling to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side?		
om: Nichol, Stuart T. (CDC/DID/NCEZID) nt: Sunday, October 19, 2014 10:59 AM Eastern Standard Time Feldmann, Heinrich (NIH/NIAID) [E]; Jahrling, Peter (NIH/NIAID) [E]; Zoon, Kathryn (NIH/NIAID) [E]; Casellas, Rafael (H/NIAMS) [E] Damon, Inger K. (CDC/OID/NCEZID); Mahoney, Frank (CDC/CGH/GID) bject: Fw: MOU n you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is lling to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side?		
om: Nichol, Stuart T. (CDC/DID/NCEZID) nt: Sunday, October 19, 2014 10:59 AM Eastern Standard Time E Feldmann, Heinrich (NIH/NIAID) [E]; Jahrling, Peter (NIH/NIAID) [E]; Zoon, Kathryn (NIH/NIAID) [E]; Casellas, Rafael H/NIAMS) [E] Damon, Inger K. (CDC/OID/NCEZID); Mahoney, Frank (CDC/CGH/GID) Dject: Fw: MOU The you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is ling to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side?		
om: Nichol, Stuart T. (CDC/DID/NCEZID) nt: Sunday, October 19, 2014 10:59 AM Eastern Standard Time E Feldmann, Heinrich (NIH/NIAID) [E]; Jahrling, Peter (NIH/NIAID) [E]; Zoon, Kathryn (NIH/NIAID) [E]; Casellas, Rafael H/NIAMS) [E] Damon, Inger K. (CDC/OID/NCEZID); Mahoney, Frank (CDC/CGH/GID) Dject: Fw: MOU The you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is ling to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side?		
om: Nichol, Stuart T. (CDC/DID/NCEZID) nt: Sunday, October 19, 2014 10:59 AM Eastern Standard Time E Feldmann, Heinrich (NIH/NIAID) [E]; Jahrling, Peter (NIH/NIAID) [E]; Zoon, Kathryn (NIH/NIAID) [E]; Casellas, Rafael H/NIAMS) [E] Damon, Inger K. (CDC/OID/NCEZID); Mahoney, Frank (CDC/CGH/GID) Dject: Fw: MOU The you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is ling to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side?		
om: Nichol, Stuart T. (CDC/DID/NCEZID) nt: Sunday, October 19, 2014 10:59 AM Eastern Standard Time E Feldmann, Heinrich (NIH/NIAID) [E]; Jahrling, Peter (NIH/NIAID) [E]; Zoon, Kathryn (NIH/NIAID) [E]; Casellas, Rafael H/NIAMS) [E] Damon, Inger K. (CDC/OID/NCEZID); Mahoney, Frank (CDC/CGH/GID) Dject: Fw: MOU The you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is ling to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side?		
om: Nichol, Stuart T. (CDC/DID/NCEZID) nt: Sunday, October 19, 2014 10:59 AM Eastern Standard Time E Feldmann, Heinrich (NIH/NIAID) [E]; Jahrling, Peter (NIH/NIAID) [E]; Zoon, Kathryn (NIH/NIAID) [E]; Casellas, Rafael H/NIAMS) [E] Damon, Inger K. (CDC/OID/NCEZID); Mahoney, Frank (CDC/CGH/GID) Dject: Fw: MOU The you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is ling to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side?		
om: Nichol, Stuart T. (CDC/DID/NCEZID) nt: Sunday, October 19, 2014 10:59 AM Eastern Standard Time E Feldmann, Heinrich (NIH/NIAID) [E]; Jahrling, Peter (NIH/NIAID) [E]; Zoon, Kathryn (NIH/NIAID) [E]; Casellas, Rafael H/NIAMS) [E] Damon, Inger K. (CDC/OID/NCEZID); Mahoney, Frank (CDC/CGH/GID) Dject: Fw: MOU The you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is ling to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side?		
om: Nichol, Stuart T. (CDC/OID/NCEZID) nt: Sunday, October 19, 2014 10:59 AM Eastern Standard Time : Feldmann, Heinrich (NIH/NIAID) [E]; Jahrling, Peter (NIH/NIAID) [E]; Zoon, Kathryn (NIH/NIAID) [E]; Casellas, Rafael iH/NIAMS) [E] : Damon, Inger K. (CDC/OID/NCEZID); Mahoney, Frank (CDC/CGH/GID) bject: Fw: MOU In you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is lling to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side?		
om: Nichol, Stuart T. (CDC/OID/NCEZID) nt: Sunday, October 19, 2014 10:59 AM Eastern Standard Time : Feldmann, Heinrich (NIH/NIAID) [E]; Jahrling, Peter (NIH/NIAID) [E]; Zoon, Kathryn (NIH/NIAID) [E]; Casellas, Rafael iH/NIAMS) [E] : Damon, Inger K. (CDC/OID/NCEZID); Mahoney, Frank (CDC/CGH/GID) bject: Fw: MOU n you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is lling to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side?		
om: Nichol, Stuart T. (CDC/DID/NCEZID) nt: Sunday, October 19, 2014 10:59 AM Eastern Standard Time Feldmann, Heinrich (NIH/NIAID) [E]; Jahrling, Peter (NIH/NIAID) [E]; Zoon, Kathryn (NIH/NIAID) [E]; Casellas, Rafael (H/NIAMS) [E] Damon, Inger K. (CDC/OID/NCEZID); Mahoney, Frank (CDC/CGH/GID) bject: Fw: MOU n you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is lling to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side?		
om: Nichol, Stuart T. (CDC/OID/NCEZID) nt: Sunday, October 19, 2014 10:59 AM Eastern Standard Time : Feldmann, Heinrich (NIH/NIAID) [E]; Jahrling, Peter (NIH/NIAID) [E]; Zoon, Kathryn (NIH/NIAID) [E]; Casellas, Rafael iH/NIAMS) [E] : Damon, Inger K. (CDC/OID/NCEZID); Mahoney, Frank (CDC/CGH/GID) bject: Fw: MOU In you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is lling to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side?		
om: Nichol, Stuart T. (CDC/DID/NCEZID) nt: Sunday, October 19, 2014 10:59 AM Eastern Standard Time Feldmann, Heinrich (NIH/NIAID) [E]; Jahrling, Peter (NIH/NIAID) [E]; Zoon, Kathryn (NIH/NIAID) [E]; Casellas, Rafael (H/NIAMS) [E] Damon, Inger K. (CDC/OID/NCEZID); Mahoney, Frank (CDC/CGH/GID) bject: Fw: MOU n you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is lling to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side?		
om: Nichol, Stuart T. (CDC/DID/NCEZID) nt: Sunday, October 19, 2014 10:59 AM Eastern Standard Time E Feldmann, Heinrich (NIH/NIAID) [E]; Jahrling, Peter (NIH/NIAID) [E]; Zoon, Kathryn (NIH/NIAID) [E]; Casellas, Rafael H/NIAMS) [E] Damon, Inger K. (CDC/OID/NCEZID); Mahoney, Frank (CDC/CGH/GID) Dject: Fw: MOU The you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is ling to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side?		
om: Nichol, Stuart T. (CDC/DID/NCEZID) nt: Sunday, October 19, 2014 10:59 AM Eastern Standard Time E Feldmann, Heinrich (NIH/NIAID) [E]; Jahrling, Peter (NIH/NIAID) [E]; Zoon, Kathryn (NIH/NIAID) [E]; Casellas, Rafael H/NIAMS) [E] Damon, Inger K. (CDC/OID/NCEZID); Mahoney, Frank (CDC/CGH/GID) Dject: Fw: MOU The you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is ling to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side?		
om: Nichol, Stuart T. (CDC/DID/NCEZID) nt: Sunday, October 19, 2014 10:59 AM Eastern Standard Time E Feldmann, Heinrich (NIH/NIAID) [E]; Jahrling, Peter (NIH/NIAID) [E]; Zoon, Kathryn (NIH/NIAID) [E]; Casellas, Rafael H/NIAMS) [E] Damon, Inger K. (CDC/OID/NCEZID); Mahoney, Frank (CDC/CGH/GID) Dject: Fw: MOU The you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is ling to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side?		
om: Nichol, Stuart T. (CDC/DID/NCEZID) nt: Sunday, October 19, 2014 10:59 AM Eastern Standard Time Feldmann, Heinrich (NIH/NIAID) [E]; Jahrling, Peter (NIH/NIAID) [E]; Zoon, Kathryn (NIH/NIAID) [E]; Casellas, Rafael (H/NIAMS) [E] Damon, Inger K. (CDC/OID/NCEZID); Mahoney, Frank (CDC/CGH/GID) bject: Fw: MOU n you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is lling to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side?		
om: Nichol, Stuart T. (CDC/OID/NCEZID) nt: Sunday, October 19, 2014 10:59 AM Eastern Standard Time : Feldmann, Heinrich (NIH/NIAID) [E]; Jahrling, Peter (NIH/NIAID) [E]; Zoon, Kathryn (NIH/NIAID) [E]; Casellas, Rafael iH/NIAMS) [E] : Damon, Inger K. (CDC/OID/NCEZID); Mahoney, Frank (CDC/CGH/GID) bject: Fw: MOU In you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is lling to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side?		
om: Nichol, Stuart T. (CDC/OID/NCEZID) nt: Sunday, October 19, 2014 10:59 AM Eastern Standard Time : Feldmann, Heinrich (NIH/NIAID) [E]; Jahrling, Peter (NIH/NIAID) [E]; Zoon, Kathryn (NIH/NIAID) [E]; Casellas, Rafael iH/NIAMS) [E] : Damon, Inger K. (CDC/OID/NCEZID); Mahoney, Frank (CDC/CGH/GID) bject: Fw: MOU n you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is lling to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side?		
om: Nichol, Stuart T. (CDC/OID/NCEZID) nt: Sunday, October 19, 2014 10:59 AM Eastern Standard Time Feldmann, Heinrich (NIH/NIAID) [E]; Jahrling, Peter (NIH/NIAID) [E]; Zoon, Kathryn (NIH/NIAID) [E]; Casellas, Rafael iH/NIAMS) [E] Damon, Inger K. (CDC/OID/NCEZID); Mahoney, Frank (CDC/CGH/GID) bject: Fw: MOU n you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is lling to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side?		
om: Nichol, Stuart T. (CDC/OID/NCEZID) nt: Sunday, October 19, 2014 10:59 AM Eastern Standard Time Feldmann, Heinrich (NIH/NIAID) [E]; Jahrling, Peter (NIH/NIAID) [E]; Zoon, Kathryn (NIH/NIAID) [E]; Casellas, Rafael iH/NIAMS) [E] Damon, Inger K. (CDC/OID/NCEZID); Mahoney, Frank (CDC/CGH/GID) bject: Fw: MOU n you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is lling to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side?		
om: Nichol, Stuart T. (CDC/OID/NCEZID) nt: Sunday, October 19, 2014 10:59 AM Eastern Standard Time Feldmann, Heinrich (NIH/NIAID) [E]; Jahrling, Peter (NIH/NIAID) [E]; Zoon, Kathryn (NIH/NIAID) [E]; Casellas, Rafael iH/NIAMS) [E] Damon, Inger K. (CDC/OID/NCEZID); Mahoney, Frank (CDC/CGH/GID) bject: Fw: MOU n you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is lling to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side?		
om: Nichol, Stuart T. (CDC/OID/NCEZID) nt: Sunday, October 19, 2014 10:59 AM Eastern Standard Time : Feldmann, Heinrich (NIH/NIAID) [E]; Jahrling, Peter (NIH/NIAID) [E]; Zoon, Kathryn (NIH/NIAID) [E]; Casellas, Rafael iH/NIAMS) [E] : Damon, Inger K. (CDC/OID/NCEZID); Mahoney, Frank (CDC/CGH/GID) bject: Fw: MOU n you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is lling to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side?		
om: Nichol, Stuart T. (CDC/OID/NCEZID) nt: Sunday, October 19, 2014 10:59 AM Eastern Standard Time : Feldmann, Heinrich (NIH/NIAID) [E]; Jahrling, Peter (NIH/NIAID) [E]; Zoon, Kathryn (NIH/NIAID) [E]; Casellas, Rafael iH/NIAMS) [E] : Damon, Inger K. (CDC/OID/NCEZID); Mahoney, Frank (CDC/CGH/GID) bject: Fw: MOU n you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is lling to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side?		
nt: Sunday, October 19, 2014 10:59 AM Eastern Standard Time : Feldmann, Heinrich (NIH/NIAID) [E]; Jahrling, Peter (NIH/NIAID) [E]; Zoon, Kathryn (NIH/NIAID) [E]; Casellas, Rafael (H/NIAMS) [E] : Damon, Inger K. (CDC/OID/NCEZID); Mahoney, Frank (CDC/CGH/GID) bject: Fw: MOU In you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is liling to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side?	Original Message	
EFEIDMANN, Heinrich (NIH/NIAID) [E]; Jahrling, Peter (NIH/NIAID) [E]; Zoon, Kathryn (NIH/NIAID) [E]; Casellas, Rafael (H/NIAMS) [E] Damon, Inger K. (CDC/OID/NCEZID); Mahoney, Frank (CDC/CGH/GID) bject: Fw: MOU In you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is ling to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side?		
H/NIAMS) [E] Damon, Inger K. (CDC/OID/NCEZID); Mahoney, Frank (CDC/CGH/GID) Diject: Fw: MOU In you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is liling to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side? Hart		
Damon, Inger K. (CDC/OID/NCEZID); Mahoney, Frank (CDC/CGH/GID) bject: Fw: MOU n you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is ling to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side?		/NIAID) [E]; Zoon, Kathryn (NIH/NIAID) [E]; Casellas, Rafael
bject: Fw: MOU n you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is liling to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side?		20/0011/0103
n you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is Iling to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side? Jart		oc/con/Gib)
ling to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side?	plect: FA: Wind	
lling to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side?	n you coordinate on NIH side as to who will be developing	NIH MOU with Liberian MOH ? Frank Mahoney in Liberia is
lart		
	lart	
nt.from my BlackBerry 10 smartphone.		
	nt from my BlackBerry 10 smartphone.	

Can you coordinate on NIH side as to who will be developing NIH MOU >with Liberian MOH? Frank Mahoney in Liberia is willing to try to >assist with getting an NIH-MOH MOU in place. Who would sign from the NIH side? > Stuart > Sent from my BlackBerry 10 smartphone.	Feldmann, Heinrich (NIH/NIAID) [E]	The state of the s
wrote: Can you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is willing to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side? Stuart Sent from my BlackBerry 10 smartphone.		
wrote: Can you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is willing to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side? Stuart Sent from my BlackBerry 10 smartphone.		
wrote: Can you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is willing to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side? Stuart Sent from my BlackBerry 10 smartphone.		
wrote: Can you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is willing to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side? Stuart Sent from my BlackBerry 10 smartphone.		
wrote: Can you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is willing to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side? Stuart Sent from my BlackBerry 10 smartphone.		
wrote: Can you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is willing to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side? Stuart Sent from my BlackBerry 10 smartphone.		
wrote: Can you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is willing to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side? Stuart Sent from my BlackBerry 10 smartphone.		
wrote: Can you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is willing to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side? Stuart Sent from my BlackBerry 10 smartphone.		
wrote: Can you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is willing to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side? Stuart Sent from my BlackBerry 10 smartphone.		
wrote: Can you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is willing to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side? Stuart Sent from my BlackBerry 10 smartphone.		
wrote: Can you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is willing to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side? Stuart Sent from my BlackBerry 10 smartphone.		
wrote: Can you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is willing to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side? Stuart Sent from my BlackBerry 10 smartphone.		
wrote: Can you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is willing to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side? Stuart Sent from my BlackBerry 10 smartphone.		
wrote: Can you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is willing to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side? Stuart Sent from my BlackBerry 10 smartphone.		
wrote: Can you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is willing to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side? Stuart Sent from my BlackBerry 10 smartphone.		
wrote: Can you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is willing to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side? Stuart Sent from my BlackBerry 10 smartphone.		
wrote: Can you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is willing to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side? Stuart Sent from my BlackBerry 10 smartphone.		
wrote: Can you coordinate on NIH side as to who will be developing NIH MOU with Liberian MOH? Frank Mahoney in Liberia is willing to try to assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side? Stuart Sent from my BlackBerry 10 smartphone.	On 10/19/14, 10:59 AM, "Nichol, Stuart T. (CDC/OlD/NCEZID)" <stn1@cdc.gov></stn1@cdc.gov>	
>with Liberian MOH? Frank Mahoney in Liberia is willing to try to >assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side? >Stuart > >Stuart from my BlackBerry 10 smartphone.	wrote:	
>with Liberian MOH? Frank Mahoney in Liberia is willing to try to >assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side? >Stuart > >Stuart from my BlackBerry 10 smartphone.		
>assist with getting an NiH-MOH MOU in place. Who would sign from the NIH side? >Stuart > >Sent from my BlackBerry 10 smartphone.		
> >Stuart > >Sent from my BlackBerry 10 smartphone.	>with Liberian MOH? Frank Mahoney in Liberia is willing to try to	
>Stuart > >Sent from my BlackBerry 10 smartphone.		
> >Sent from my BlackBerry 10 smartphone.	>	
>Sent from my BlackBerry 10 smartphone.		
Poetic from my blackberry to smartphone.		
	>3ent from my blackberry to smartphone.	

From:

Fields, Barry (CDC/CGH/DGHP)

Sent:

Thursday, October 16, 2014 1:22 PM

To:

Nichol, Stuart T. (CDC/OID/NCEZID); Feldmann, Heinrich (NIH/NIAID) (E); Self, Joshua S.

(CDC/OID/NCEZID); Rayfield, Mark (CDC/CGH/DGHP)

Cc:

De wit, Emmie (NIH/NIAID) [E]; Falzarano, Darryl (NIH/NIAID) [F]; Rayfield, Mark

(CDC/CGH/DGHP)

Subject:

Re: Ebola Outbreak Response Monrovia Liberia

Point taken. Mark and I have been talking. There are several transition details and we are discussing but need to include NIH. I want some EOC time credit.:)

Sent from my BlackBerry 10 smartphone.

From: Nichol, Stuart T. (CDC/OID/NCEZIO) Sent: Thursday, October 16, 2014 10:18 PM

To: Fields, Barry (CDC/CGH/DGHP); Feldmann, Heinrich (NIH/NIAID) [F]; Self, Joshua S. (CDC/OID/NCEZID); Rayfield;

Mark (CDC/CGH/DGHP)

Cc: De wit, Emmie (NIH/NIAID) [F]; Falzarano, Darryl (NIH/NIAID) [F]; Rayfield, Mark (CDC/CGH/DGHP)

Subject: RE: Ebola Outbreak Response Monrovia Liberia-

Barry - I thought you and Mark were the ones doing the coordination @ We can delay these guys.

From: Fields, Barry (CDC/CGH/DGHP)
Sent: Thursday, October 16, 2014 3:12 PM

To: Nichol, Stuart T. (CDC/OID/NCEZID); Feldmann, Heinrich (NIH/NIAID) [E]; Self, Joshua S. (CDC/OID/NCEZID);

Rayfield, Mark (CDC/CGH/DGHP)

Cc; De wit, Emmie (NIH/NIAID) [F]; Falzarano, Darryl (NIH/NIAID) [F]

Subject: Re: Ebola Outbreak Response Monrovia Liberia

We are sending two CDC lab staff according to Mark Rayfield. I agree with. Heinz that we, Don't need. 7 people in that lab, the NIH and CDC lab deployments. Should be coordinated.

Sent from my BlackBerry 10 smartphone.

From: Nichol, Stuart T. (CDC/OID/NCEZID)
Sent: Thursday, October 16, 2014 10:06 PM

To: Feldmann, Heinrich (NIH/NIAID) [E]; Self, Joshua S. (CDC/OID/NCEZID); Fields, Barry (CDC/CGH/DGHP)

Cc: De wit, Emmie (NIH/NIAID) [F]; Falzarano, Darryl (NIH/NIAID) [F]

Subject: RE: Ebola Outbreak Response Monrovia Liberia

I wasn't aware we were sending two folks from Atlanta (I'm out of the loop on the deployment schedule). I will check and get back to you.

Stuart

(NIH)

Feldmann, Heinrich (NIH/NIAID) [E] Fields, Barry (CDC/CGH/DGHP) From: Sent Thursday, October 16, 2014 1:12 PM Nichol, Stuart T. (CDC/OID/NCEZID); Feldmann, Heinrich (NIH/NIAID) [E]; Self, Joshua S. To: (CDC/OID/NCEZID); Rayfield, Mark (CDC/CGH/DGHP) De wit, Emmie (NIH/NIAID) [E]; Falzarano, Danyl (NIH/NIAID) [F] Cc: Re: Ebola Outbreak Response Monrovia Liberia Subject: We are sending two CDC lab staff according to Mark Rayfield. I agree with. Heinz that we. Don't need. 7 people in that lab, the NIH and CDC lab deployments. Should be coordinated. Sent from my BlackBerry 10 smartphone. From: Nichol, Stuart T. (CDC/OID/NCEZID) Sent: Thursday, October 16, 2014 10:06 PM To: Feldmann, Heinrich (NIH/NIAID) [E]; Self, Joshua S. (CDC/DID/NCEZID); Fields, Barry (CDC/CGH/DGHP) Cc: De wit, Emmie (NIH/NIAID) [F]; Falzarano, Darryl (NIH/NIAID) [F] Subject: RE: Ebola Outbreak Response Monrovia Liberia I wasn't aware we were sending two folks from Atlanta (I'm out of the loop on the deployment schedule). I will check and get back to you. Stuart (NIH)

From: Sent: To:	Fields, Barry (CDC/CG Thursday, October 16 Feldmann, Heinrich (N	, 2014 1:09 PM	
Subject:		esponse Monrovia Liberia	
		*	
Sent from my Black	Berry 10 smartphone.		
(NIH)			
Transfer and the second second	. (CDC/OID/NCEZID)	CARLOR CONTRACTOR CONT	the and another than the second of the secon
	ober 16, 2014 09:02 AM Eastern Sta	andard Time	
To: Feidmann, Heinri			
	Outbreak Response Monrovia Liberia	3	
	t for the info Heinz. Hope all is goin	ng well with you. Look forward to wor	king with you soon. Best,
Josh	•		
(NIH)			

From:	Brooks, John T. ((CDC/OID/NCHHSTP)		
Sent:		tober 15, 2014 4:44 PM		
Ta;		rich (NIH/NIAID) [E]; Damon	Inger K. (CDC/OID/NCEZIL); Redd,
	Stephen (CDC/O	OID/OD)		
Cc:	George Risi			
Subject:	RE: Montana			
HI all (including George	Risi),			
spoke this afternoon	with George Risi at St. Patric	k's Hospital in Missoula Mc	ontana.	
to care for persons at t	eting to discuss capacity to a the Rocky Mountain laborate lous disease doctor: Dr. Risi!	ories. A principal issue for th		
l offered that if staffing consider offering some	g is the issue limiting their at assistance in that area. The	pility to offer capacity for Elepromises made but the co	oola virus patients, then pe nversation opened.	rhaps we could
John				
John T. Brooks, M.D.				
Medical Care Task Ford	e Léad			
CDC Emergency Ebole				
(b)(6)				
(D)(O)				

From:	Damon, Inger K. (CDC/OID/NCEZID)	
Senta	Wednesday, October 15, 2014 11:14 AM	
To:	Feldmann, Heinrich (NIH/NIAID) [E]	
Cct	Brooks, John T. (CDC/OED/NCHHSTP); Redd, Stephen (CDC/OID/OD); George Risi
Subject:	Re: Montana	
Thanks, Heinz		
Will reach out after th	e meeting I am in ends	
Inger		
inger Damon		
Director Division of Hig	gh Consequence Pathogens and Pathology NCEZIO CDC	
)		
-		
> From: Damon, Inger	K. (CDC/OID/NCEZID)	
> From: Damon, Inger > Sent: Wednesday, O	K. (CDC/OID/NCEZID) ctober 15, 2014 12:41 PM Eastern Standard Time	
> From: Damon, Inger > Sent: Wednesday, Or > To: Brooks, John T. (0	K. (CDC/OID/NCEZID) ctober 15, 2014 12:41 PM Eastern Standard Time CDC/OID/NCHHSTP); Redd, Stephen (CDC/OID/OD);	
> From: Damon, Inger > Sent: Wednesday, O > To: Brooks, John T. ((K. (CDC/OID/NCEZID) ctober 15, 2014 12:41 PM Eastern Standard Time CDC/OID/NCHHSTP); Redd, Stephen (CDC/OID/OD);	
> From: Damon, Inger > Sent: Wednesday, O > To: Brooks, John T. (0 > Feldmann, Heinrich (K. (CDC/OID/NCEZID) ctober 15, 2014 12:41 PM Eastern Standard Time CDC/OID/NCHHSTP); Redd, Stephen (CDC/OID/OD);	
> From: Damon, Inger > Sent: Wednesday, Or > To: Brooks, John T. (0 > Feldmann, Heinrich (> Subject: Montana	K. (CDC/OID/NCEZID) ctober 15, 2014 12:41 PM Eastern Standard Time CDC/OID/NCHHSTP); Redd, Stephen (CDC/OID/OD);	
> From: Damon, Inger > Sent: Wednesday, Or > To: Brooks, John T. (0 > Feldmann, Heinrich (> Subject: Montana >	K. (CDC/OID/NCEZID) ctober 15, 2014 12:41 PM Eastern Standard Time CDC/OID/NCHHSTP); Redd, Stephen (CDC/OID/OD); NIH/NIAID) [E]	
> From: Damon, Inger > Sent: Wednesday, Or > To: Brooks, John T. (0 > Feldmann, Heinrich (> Subject: Montana > > Who would be the Pr	K. (CDC/OID/NCEZID) ctober 15, 2014 12:41 PM Eastern Standard Time CDC/OID/NCHHSTP); Redd, Stephen (CDC/OID/OD); NIH/NIAID) [E] oc for the Montana facility to ask if ready for	
> From: Damon, Inger > Sent: Wednesday, Or > To: Brooks, John T. (0 > Feldmann, Heinrich (> Subject: Montana > > Who would be the Property Ebola patients? Addi	K. (CDC/OID/NCEZID) ctober 15, 2014 12:41 PM Eastern Standard Time CDC/OID/NCHHSTP); Redd, Stephen (CDC/OID/OD); NIH/NIAID) [E] oc for the Montana facility to ask if ready for	
> From: Damon, Inger > Sent: Wednesday, Or > To: Brooks, John T. (0 > Feldmann, Heinrich (> Subject: Montana > > Who would be the Po > Ebola patients? Addi >	K. (CDC/OID/NCEZID) ctober 15, 2014 12:41 PM Eastern Standard Time CDC/OID/NCHHSTP); Redd, Stephen (CDC/OID/OD); NIH/NIAID) [E] oc for the Montana facility to ask if ready for	
> From: Damon, Inger > Sent: Wednesday, Or > To: Brooks, John T. (1) > Feldmann, Heinrich (1) > Subject: Montana > > Who would be the Property Property Additions of the Property Property Additions of the Property Proper	K. (CDC/OID/NCEZID) ctober 15, 2014 12:41 PM Eastern Standard Time CDC/OID/NCHHSTP); Redd, Stephen (CDC/OID/OD); NIH/NIAID) [E] oc for the Montana facility to ask if ready for	
> From: Damon, Inger > Sent: Wednesday, Or > To: Brooks, John T. (t > Feldmann, Heinrich (> Subject: Montana > > Who would be the Pr > Ebola patients? Addi > Inger	K. (CDC/OID/NCEZID) ctober 15, 2014 12:41 PM Eastern Standard Time CDC/OID/NCHHSTP); Redd, Stephen (CDC/OID/OD); NIH/NIAID) [E] oc for the Montana facility to ask if ready for	
> To: Brooks, John T. (0 > Feldmann, Heinrich (> Subject: Montana > > Who would be the Po > Ebola patients? Addi > > Inger > Inger Damon	K. (CDC/OID/NCEZID) ctober 15, 2014 12:41 PM Eastern Standard Time CDC/OID/NCHHSTP); Redd, Stephen (CDC/OID/OD); NIH/NIAID) [E] oc for the Montana facility to ask if ready for high Heinz	
> From: Damon, Inger > Sent: Wednesday, Or > To: Brooks, John T. (0 > Feldmann, Heinrich (> Subject: Montana > > Who would be the Properties Paddi > Inger > Inger Damon	K. (CDC/OID/NCEZID) ctober 15, 2014 12:41 PM Eastern Standard Time CDC/OID/NCHHSTP); Redd, Stephen (CDC/OID/OD); NIH/NIAID) [E] oc for the Montana facility to ask if ready for	

From: Sent: To: Cc: Subject:	Damon, Inger K. (CDC/OID/NCEZID) Wednesday, October 15, 2014 10:50 AM Redd, Stephen (CDC/OID/OD) Brooks, John T. (CDC/OID/NCHHSTP); Feldmann, Heinrich (NIH/NIAID) [E] Re: Montana
	**
Need ASAP	
Inger	K
3	
inger Damon Director Division of High Cons	sequence Pathogens and Pathology NCEZID CDC
> On Oct 15, 2014, at 12:46 P	M, Redd, Stephen (CDC/OID/OD) <scr1@cdc.gov> wrate:</scr1@cdc.gov>
>	
> Will check with Will Walter:	\$.
>	
> Original Message	- Anna Anna Anna Anna Anna Anna Anna Ann
> From: Damon, Inger K. (CD)	C/OID/NCEZIU)
> Sent: Wednesday, October	15, 2014 12:41 PM
> To: Brooks, John T. (CDE/O	ID/NCHHSTP); Redd, Stephen (CDC/OID/OD);
> Feldmann, Heinrich (NIH/N	IAID) [E]
> Subject: Montana	
>	
>	to the same facilities has not if ready for
> Who would be the Pocifor	the Montana facility to ask if ready for
> Ebola patients? Adding He	in2
>	
> Inger	
>	
	onsequence Pathogens and Pathology NCEZID
> CDC	
>	

From:

Damon, Inger K. (CDC/OID/NCEZID)

Sent:

Wednesday, October 15, 2014 10:42 AM

To:

Brooks, John T. (CDC/OID/NCHHSTP); Redd, Stephen (CDC/OID/OD); Feldmann,

Heinrich (NIH/NIAID) [E]

Subject:

Montana

Who would be the Poc for the Montana facility to ask if ready for Ebola patients? Adding Heinz

Inger

Inger Damon

Director Division of High Consequence Pathogens and Pathology NCEZID CDC

From:

Walke, Henry (CDC/OID/NCEZID)

Senta

Saturday, October 11, 2014.3;24 AM

To:

Flannery, Brendan (CDC/OID/NCRD); "MSFOCB-Monrovia-

LiaisonOfficer@brussels.msf.org'; Thome, Gregory Immel (CDC/CGH/DGHA); Flaherty,

Patrick (CDC/OID/NCHHSTP); Mott, Joshua (CDC/OID/NCIRD)

Cca

Feldmann, Heinrich (NÎH/NIAID) [E]

Subject:

Re: request for Chinese delegation visit to ELWA 3 lab

Heinz is this possible?

Henry Walke from cdc, I took over from Brendan

From: Flannery, Brendan (CDC/OID/NCIRD)

Sent: Saturday, October 11, 2014 09:09 AM To: 'MSFOCB-Monrovia-LiaisonOfficer@brussels.msf.org' <MSFOCB-Monrovia-LiaisonOfficer@brussels.msf.org>; Walke, Henry (CDC/OID/NCEZID); Thorne, Gregory Immel (CDC/CGH/DGHA); Flaherty, Patrick (CDC/OID/NCHHSTP); Mott,

Joshua (CDC/GID/NCIRD)

Subject: Re: request for Chinese delegation visit to ELWA 3 lab

Yes--great idea. I left yesterday Copying henry walke to organize. He has my phone number

Thanks for all the help

Brendan

From: MSFOCB-Monrovia-LiaisonOfficer [mailto:MSFOCB-Monrovia-LiaisonOfficer@brussels.msf.org]

Sent: Saturday, October 11, 2014 03:34 AM Eastern Standard Time

To: Flannery, Brendan (CDC/OID/NCIRD)

Subject: request for Chinese delegation visit to ELWA 3 lab

Hi Brendan.

The Chinese have an Advanced Team of officials who are doing a fact-finding visit for possible deployment of a medical team for Ebola in Liberia. In addition to visiting ELWA, they requested to visit the COC lab. They should be at EEWA at about 9 am tomorrow.

Would a visit to the lab be possible?

Thanks! Kris

Kris Torgeson Liaison Officer, MSF Monrovia, Liberia +231 (0) 77 50 65 878

Saindon, John M. (CDC/OPHSS/OD) From: Friday, October 10, 2014 11:39 AM

Flynn, Jesse M CTR OSD OUSD ATL (US); Towner, Jonathan (Jon) (CDC/OID/NCEZID); Sent: To:

Bird, Brian (CDC/OID/NCEZID); Rayfield, Mark (CDC/CGH/DGHP); Bartee, Maureen S

CIV (US); Watson, Ian D CIV (US); Newman, Carl I CIV (US) Nichol, Stuart T. (CDC/OID/NCEZID); Norwood, David A.Jr CIV USARMY MEDCOM USAMRIID (US);

Smith, Michael A CIV (US); Stroeher, Ute (CDC/OID/NCEZID), Geibe, Jesse R. (CDC/OPHPR/OD); Montgomery, Joel M. (CDC/CGH/DGHP), Fields, Barry

(CDC/CGH/DGHP); Feldmann, Heinrich (NIH/NIAID) [E]; Lane, Cliff (NIH/NIAID) [E];

Munster, Vincent (NIH/NIAID) [E]; Smith, Jennifer B CIV (US);

guillermo.pimentel@med.navy.mil

Hensley, Lisa (NIH/NIAID) [E]; Woollen, Neal E LTC USARMY MEDCOM USAMRIID (US);

Doray, Andrew C CIV DTRA J3-7 (US)

RE: Weekly DoD-CDC-NIH Ebola Lab Synchronization Call Subject:

Hello Everyone!

With Monday being a federal holiday; are we in concurrence that we should cancel this meeting Monday October 13th?

Please advise if we still need have this meeting on Monday.

R.

Cc:

John M. Saindon, DrHSc, MT **Ebola Laboratory Response Team** Emergency Operations Center Room #3028A Centers for Disease Control and Prevention (CDC) Phone: 404-498-2242 BB: 404-580-4658



FOR OFFICIAL USE ONLY

Sensitive But Unclassified (SBU) This document may contain sensitive information that may be exempt from public release under the Freedom of Information Act (FOIA) (5 U.S.C, 552). This information is for internal government use only. Further distribution to authorized personnel with a "need to know" and for situation awareness is authorized by the Centers for Disease Control and Prevention.

----Original Appointment----

From: Flynn, Jesse M CTR OSD OUSD ATL (US) [mailto:jesse.m.flynn.ctr@mail.mil]

Sent: Friday, September 05, 2014 5:59 PM

To: Flynn, Jesse M CTR OSD OUSD ATL (US); Towner, Jonathan (Jon) (CDC/OID/NCEZID); Bird, Brian

```
(NIH)
```

On 9/12/14 7:02 AM, "Fields, Barry (CDC/CGH/DGHP)" <bsf2@CDC.GOV> wrote:

```
>Here are the sequences if you need them.
> 
>Barry
> 
> 
>Ebola Zaire F
> 
> TGG GCT GAA AAY TGC TAC AAT C
> 
>Ebola Zaire R
> 
> 
> CTT TGC GMA CAT ASC GGC AC
> 
> Ebola Zaire Probe
> 
> 
> CT AGC AGC GCC AGA CGG-3'
```

Róta, Paul (CDC/OID/NCIRD) From:

Wednesday, October 08, 2014 8:57 AM Sent:

Martha Mulks To:

Feldmann, Heinrich (NIH/NIAID) [E] Cc:

RE: Contact for virologist working with Ebola? Subject:

Hi Martha,

Nice to hear from you. I will forward your e-mail to the Ebola virology feam. You might also consider contacting Dr. Heinz Feidman (feldmannh@maid.nih.gov) who works with Ebola at the NIH Rocky MTN Labs.

I am here at CDC still working on measles and mumps. How are things at MSU? My nephew is now a freshman at MSU, so I may have to come up for a visit one of these days.

Best regards,

Paul

From: Martha Mulks [mailto:mulks@msu.edu] Sent: Wednesday, October 08, 2014 10:22 AM

To: Rota, Paul (CDC/OID/NCIRD)

Subject: Contact for virologist working with Ebola?

Dear Paul,

Serious voice from the past!

My ab is working with a company in Michigan, UrthTech, that makes a range of disinfectants and sanitizers for use in hospitals, on produce, on carcasses, and in homes. My contact, Dr. Aziz Awad, tells me that one of his sanitizers has been shown to work very well on unenveloped viruses, such as norovirus, and that his sanitizer works in the presence of organic material and is more stable than 10% bleach. He wonders whether it would be useful in the Ebola epidemic, and would like to find someone willing to test its efficacy against Ebola virus. I told him that I would contact the two virologists that I know at CDC, you and Ian York, and ask whether you think his sanitizer would be of interest to CDC and who he might contact for some guidance. I will say that we have found his various products to be extremely effective, with one formulation killing E. coli, Pseudomonas aeruginasa, Staph. aureus, and Enterococcus faecalis in less than 1 minute (sometimes less than 15 seconds), and another killing anthrax spores in 30-60 minutes.

Hope al. is well with you.

Regards, Martha Mulks

Martha H Mulks, Ph.D. Director, Center for Microbial Pathogenesis Professor, Dept. of Microbiology & Molecular Genetics 5193 Biomedical & Physical Sciences Building 567 Wilson Road Michigan State University East Lansing, MI 48824

Phone:517-884-5365 Email. mulks@msu.edu

From:	Khan, Ali 5 <ali.khan@unmc.edu> Wednesday, October 08, 2014 6:37 AM</ali.khan@unmc.edu>
Sent: To:	Feldmann, Heinrich (NIH/NIAID) [E]
Subject:	Re: CMX-001 or 1705
244	
Yea. We will coordina But let's lock down a t	te with WHO since we will need at the help we can get. treatment facility,
Αļi	
* UNMC College of Pr Bringing innovative healthier communiti and worldwide	solutions to
NIH)	
> Sent: Tuesday, Octo > To: Uyeki, Timothy I > Cc: Feldmann, Heinr > Subject: Re: CMX-00 > > Thanks Tim for these > Chatted with Lu tod > Waiting for Heinz to	ber 07, 2014 11:46 PM Eastern Standard Time M. (CDC/OID/NCIRD) Tich (NIH/NIAID) [E]; De Alba, Armando <armando.dealba@unmc.edu> Of or 1705 e Ideas. Very helpful. With 50% case fatality, the power calculations are simple. We can do this.</armando.dealba@unmc.edu>
> > Ati	
>	
> * UNMC College of > Bringing Innovative > healther communi > and worldwide >	a solutions to
>> On Oct 7, 2014, at	10:26 PM, Uyeki, Timothy M. (CDC/OlD/NCIRD) <tmu0@cdc.gov> wrote:</tmu0@cdc.gov>
therapies There clear what is needed - assu absorption. The comp	setting, unless the Ebola Treatment Unit is providing IV fluid hydration, would need to use oral by are some therapies that would need to be administered intravenously. But an oral medication is ming the patient is not in the profuse diarrheal phase or vomiting phase - issues with drug varison group is key - ideally, an RCT would be best, but you do not need a placebo - can random ze out need to standardize the clinical care in the study population. Virological monitoring to compare

Khan, Ali S <ali.khan@unmc.edu> From: Tuesday, October 07, 2014 9:46 PM Sent:

Uyeki, Timothy M. (CDC/OID/NCIRD) To:

Feldmann, Heinrich (NIH/NIAID) [E], De Alba, Armando Cc:

Re: CMX-001 or T705 Subject:

Thanks Tim for these ideas. Very helpful. With 50% case fatality, the power calculations are simple. We can do this. Chatted with Lu today.

Waiting for Heinz to check with MSF.

Best and thank you for the great info going out and the individual clinician consultation.

Ali

* UNMC College of Public Health Bringing innovative solutions to healthler communities in Nebraska and worldwide

> On Oct 7, 2014, at 10:26 PM, Uyeki, Timothy M. (CDC/OID/NCIRD) <tmu0@cdc.gov> wrote:

> In the West Africa setting, unless the Ebola Treatment Unit is providing IV fluid hydration, would need to use oral therapies. There clearly are some therapies that would need to be administered intravenously. But an oral medication is what is needed - assuming the patient is not in the profuse diarrheal phase or vomiting phase - issues with drug absorption. The comparison group is key - ideally, an RCT would be best, but you do not need a placebo - can randomize to standard of care, but need to standardize the clinical care in the study population. Virological monitoring to compare pre-treatment viral load and change in viral load as a secondary outcome with the primary outcome being survivawould be highly desirable. Just some quick thoughts,

> Tim

> ----Original Message----

> From: Khan, Ali S [mailto:ali.khan@unmc.edu]

> Sent: Monday, October 06, 2014 11:40 PM

> To: Uyeki, Timothy M. (CDC/QID/NCIRD)

> Cc: Feldmann, Heinrich (NIH/NIAID) [E]

> Subject: Re: CMX-001 or T705

> Thanks Tim

> I think we may try to launch a trial. Hopefully Heinz can find a clinical site. And provide lab backup.

> Please share thoughts

> > Ali

> * UNMC College of Public Health

Bringing innovative solutions to

healthier communities in Nebraska

> and worldwide

>> On Oct 6, 2014, at 10:34 PM, Uyeki, Timothy M. (CDC/OID/NCIRD) <tmu0@cdc.gov> wrote:

Feldmann, He	inrich (NIH/NIAID) [E]
)	
Original Mes	Sage Norm
rom. Nichol, Stu	art T. (CDC/QID/NCEZID)
	tober 19, 2014 10:59 AM Eastern Standard Time
•	einrich (NIH/NIAID) [E]; Jahrling, Peter (NIH/NIAID) [E]; Zoon, Kathryn (NIH/NIAID) [E]; Casellas, Rafaei
NIH/NIAMS) [E] b: Damon, ingel	K. (CDC/OID/NCEZID); Mahoney, Frank (CDC/CGH/GID)
ubject: Fw: MOI	
	ate on NIH side as to who will be developing NIH MOU with Liberlan MOH? Frank Mahoney in Liberla ssist with getting an NiH-MOH MOU in place. Who would sign from the NIH side?
tuart	
ent from my Bla	ckBerry 10 smartphone.
)	gram with your appropriate.

H)	
• /	
rom: Self, Joshua S. (Ci	DC/OID/NCEZID) 16, 2014 03:33 PM Eastern Standard Time
o: Feldmann, Heinrich (i	
c: De wit, Emmle (NIH/	NIAID) [E]; Falzarano, Darryl (NIH/NIAID) [F]; Nichol, Stuart T. (CDC/OID/NCEZID); Fields,
	Rayfield, Mark (CDC/CGH/DGHP); Zemtsova, Galina E. (CDC/OID/NCEZID) reak Response Monrovia Liberia
-	
felnz,	
Ve will be delaying a wee	ek. This will give me more time to round up some supplies (we are getting 2 large cases to bring
upplies) and some other	
est,	
ash	
H)	
'',	

(NIH)		

From: Fields, Barry (CDC/CGH/DGHP)

Sent: Thursday, October 16, 2014 03:21 PM Eastern Standard Time

To: Nichol, Stuart T. (CDC/OID/NCEZID); Feldmann, Heinrich (NTH/NIAID) [E]; Self, Joshua S. (CDC/OID/NCEZID);

Rayfield, Mark (CDC/CGH/DGHP)

Cc: De Wit, Emmie (NIH/NIAID) [E]; Falzarano, Darryl (NIH/NIAID) [F]; Rayfield, Mark (CDC/CGH/DGHP)

Subject: Re: Ebola Outbreak Response Monrovia Liberia

Point taken. Mark and I have been talking. There are several transition details and we are discussing but need to include NIH. I want some EOC time credit.:)

Sent from my BlackBerry 10 smartphone.

From: Nichol, Stuart T. (CDC/OID/NCEZID) Sent: Thursday, October 16, 2014 10:18 PM

To: Fields, Barry (CDC/CGH/DGHP); Feldmann, Helnrich (NIH/NIAID) [E]; Self, Joshua S. (CDC/OID/NCEZID); Rayfield,

Mark (CDC/CGH/DGHP)

Cc: De wit, Emmle (NIH/NIAID) [F]; Falzarano, Darryl (NIH/NIAID) [F]; Rayfield, Mark (CDC/CGH/DGHP)

Subject: RE: Ebola Outbreak Response Monrovia Liberia

Barry - I thought you and Mark were the ones doing the coordination @ We can delay these guys.

From: Fields, Barry (CDC/CGH/DGHP) Sent: Thursday, October 16, 2014 3:12 PM

To: Nichol, Stuart T. (CDC/OID/NCEZID); Feldmann, Heinrich (NIH/NIAID) [E]; Self, Joshua S. (CDC/OID/NCEZID);

Rayfield, Mark (CDC/CGH/DGHP)

Cc; De wit, Emmie (NIH/NIAID) [F]; Falzarano, Darryl (NIH/NIAID) [F]

Subject: Re: Ebola Outbreak Response Monrovia Liberia

We are sending two CDC lab staff according to Mark Rayfield. I agree with. Heinz that we. Don't need. 7 people in that lab, the NIH and CDC lab deployments. Should be coordinated.

Sent from my BlackBerry 10 smartphone.

From: Nichol, Stuart T. (CDC/OID/NCEZID) Sent: Thursday, October 16, 2014 10:06 PM

To: Feldmann, Hemrich (NIH/NIAID) [F]; Self, Joshua S. (CDC/OID/NCEZID); Fields, Barry (CDC/CGH/DGHP)

Cc: De wit, Emmie (NIH/NIAID) [F]; Falzarano, Darryl (NIH/NIAID) [F]

Subject: RE: Ebola Outbreak Response Monrovia Liberia

l)	
Fro	rm: Self, Joshuz S. (CDC/QID/NCEZID)
Sen	pt: Thursday, October 16, 2014 09:02 AM Eastern Standard Time
Ser. To:	it: Thursday, October 16, 2014-09:02 AM Eastern Standard Time Feldmann, Heinrich (NIH/NIAID) [E]
Sen To:	pt: Thursday, October 16, 2014 09:02 AM Eastern Standard Time
Ser To: Sub	pt: Thursday, October 16, 2014 09:02 AM Eastern Standard Time Feldmann, Heinrich (NIH/NIAID) [E] oject: RE: Ebola Outbreak Response Monrovia Liberia
Sen To: Sub Tha	pt: Thursday, October 16, 2014-09:02 AM Eastern Standard Time Feldmann, Heinrich (NIH/NIAID) [E] Dject: RE: Ebola Outbreak Response Monrovia Liberia nk you very much for the info Heinz. Hope all is going well with you. Look forward to working with you soon. Best,
Sen To: Sub	pt: Thursday, October 16, 2014 09:02 AM Eastern Standard Time Feldmann, Heinrich (NIH/NIAID) [E] Dject: RE: Ebola Outbreak Response Monrovia Liberia nk you very much for the info Heinz. Hope all is going well with you. Look forward to working with you soon. Best,
Ser, To: Sub Tha Josh	pt: Thursday, October 16, 2014-09:02 AM Eastern Standard Time Feldmann, Heinrich (NIH/NIAID) [E] Dject: RE: Ebola Outbreak Response Monrovia Liberia nk you very much for the info Heinz. Hope all is going well with you. Look forward to working with you soon. Best,
Ser. To: Sub Tha Josh	pt: Thursday, October 16, 2014-09:02 AM Eastern Standard Time Feldmann, Heinrich (NIH/NIAID) [E] Dject: RE: Ebola Outbreak Response Monrovia Liberia nk you very much for the info Heinz. Hope all is going well with you. Look forward to working with you soon. Best,
Ser, To: Sub Tha Josh	pt: Thursday, October 16, 2014-09:02 AM Eastern Standard Time Feldmann, Heinrich (NIH/NIAID) [E] Dject: RE: Ebola Outbreak Response Monrovia Liberia nk you very much for the info Heinz. Hope all is going well with you. Look forward to working with you soon. Best,
Ser, To: Sub Tha Josh	pt: Thursday, October 16, 2014 09:02 AM Eastern Standard Time Feldmann, Heinrich (NIH/NIAID) [E] Dject: RE: Ebola Outbreak Response Monrovia Liberia nk you very much for the info Heinz. Hope all is going well with you. Look forward to working with you soon. Best,
Sen To: Sub Tha	pt: Thursday, October 16, 2014 09:02 AM Eastern Standard Time Feldmann, Heinrich (NIH/NIAID) [E] Dject: RE: Ebola Outbreak Response Monrovia Liberia nk you very much for the info Heinz. Hope all is going well with you. Look forward to working with you soon. Best,
Ser, To: Sub Tha Josh	pt: Thursday, October 16, 2014-09:02 AM Eastern Standard Time Feldmann, Heinrich (NIH/NIAID) [E] Dject: RE: Ebola Outbreak Response Monrovia Liberia nk you very much for the info Heinz. Hope all is going well with you. Look forward to working with you soon. Best,
Ser, To: Sub Tha Josh	pt: Thursday, October 16, 2014-09:02 AM Eastern Standard Time Feldmann, Heinrich (NIH/NIAID) [E] Dject: RE: Ebola Outbreak Response Monrovia Liberia nk you very much for the info Heinz. Hope all is going well with you. Look forward to working with you soon. Best,
Ser, To: Sub Tha Josh	pt: Thursday, October 16, 2014-09:02 AM Eastern Standard Time Feldmann, Heinrich (NIH/NIAID) [E] Dject: RE: Ebola Outbreak Response Monrovia Liberia nk you very much for the info Heinz. Hope all is going well with you. Look forward to working with you soon. Best,
Ser, To: Sub Tha Josh	pt: Thursday, October 16, 2014 09:02 AM Eastern Standard Time Feldmann, Heinrich (NIH/NIAID) [E] Dject: RE: Ebola Outbreak Response Monrovia Liberia nk you very much for the info Heinz. Hope all is going well with you. Look forward to working with you soon. Best,
Ser, To: Sub Tha Josh	pt: Thursday, October 16, 2014-09:02 AM Eastern Standard Time Feldmann, Heinrich (NIH/NIAID) [E] Dject: RE: Ebola Outbreak Response Monrovia Liberia nk you very much for the info Heinz. Hope all is going well with you. Look forward to working with you soon. Best,

	Feldmann, Heinrich (NIH/NIAID) [F]
Sent: Thursday, October 16, 2014-11:46 AM Eastern Standard Time To: Feldmann, Heinrich (NIH/NIAID) [E] Subject: RE: Ebola Outbreak Response Monrovia Liberia If there is anything that you can think of that you would like for me to bring, I will try my best to do so. Best, Josh From: Self, Joshua S. (CDC/OID/NCEZID) Sent: Thursday, October 16, 2014-09:02 AM Eastern Standard Time To: Feldmann, Heinrich (NIH/NIAID) [E] Subject: RE: Ebola Outbreak Response Monrovia Liberia Thank you very much for the info Heinz. Hope all is going well with you. Look forward to working with you soon. Best,	
Sent: Thursday, October 16, 2014-11:46 AM Eastern Standard Time To: Feldmann, Heinrich (NIH/NIAID) [E] Subject: RE: Ebola Outbreak Response Monrovia Liberia If there is anything that you can think of that you would like for me to bring, I will try my best to do so. Best, Josh From: Self, Joshua S. (CDC/OID/NCEZID) Sent: Thursday, October 16, 2014-09:02 AM Eastern Standard Time To: Feldmann, Heinrich (NIH/NIAID) [E] Subject: RE: Ebola Outbreak Response Monrovia Liberia Thank you very much for the info Heinz. Hope all is going well with you. Look forward to working with you soon. Best,	
Sent: Thursday, October 16, 2014-11:46 AM Eastern Standard Time To: Feldmann, Heinrich (NIH/NIAID) [E] Subject: RE: Ebola Outbreak Response Monrovia Liberia If there is anything that you can think of that you would like for me to bring, I will try my best to do so. Best, Josh From: Self, Joshua S. (CDC/OID/NCEZID) Sent: Thursday, October 16, 2014-09:02 AM Eastern Standard Time To: Feldmann, Heinrich (NIH/NIAID) [E] Subject: RE: Ebola Outbreak Response Monrovia Liberia Thank you very much for the info Heinz. Hope all is going well with you. Look forward to working with you soon. Best,	
Sent: Thursday, October 16, 2014-11:46 AM Eastern Standard Time Fo: Feldmann, Heinrich (NIH/NIAID) [E] Subject: RE: Ebola Outbreak Response Monrovia Liberia f there is anything that you can think of that you would like for me to bring, I will try my best to do so. Best, Josh From: Self, Joshua S. (CDC/OID/NCEZID) Sent: Thursday, October 16, 2014-09:02 AM Eastern Standard Time Fo: Feldmann, Heinrich (NIH/NIAID) [E] Subject: RE: Ebola Outbreak Response Monrovia Liberia Fhank you very much for the info Heinz. Hope all is going well with you. Look forward to working with you soon. Best,	
Sent: Thursday, October 16, 2014-11:46 AM Eastern Standard Time Fo: Feldmann, Heinrich (NIH/NIAID) [E] Subject: RE: Ebola Outbreak Response Monrovia Liberia If there is anything that you can think of that you would like for me to bring, I will try my best to do so. Best, Josh From: Self, Joshua S. (CDC/OID/NCEZID) Sent: Thursday, October 16, 2014-09:02 AM Eastern Standard Time To: Feldmann, Heinrich (NIH/NIAID) [E] Subject: RE: Ebola Outbreak Response Monrovia Liberia Thank you very much for the info Heinz. Hope all is going well with you. Look forward to working with you soon. Best,	
Sent: Thursday, October 16, 2014-11:46 AM Eastern Standard Time Fo: Feldmann, Heinrich (NIH/NIAID) [E] Subject: RE: Ebola Outbreak Response Monrovia Liberia If there is anything that you can think of that you would like for me to bring, I will try my best to do so. Best, Josh From: Self, Joshua S. (CDC/OID/NCEZID) Sent: Thursday, October 16, 2014-09:02 AM Eastern Standard Time To: Feldmann, Heinrich (NIH/NIAID) [E] Subject: RE: Ebola Outbreak Response Monrovia Liberia Thank you very much for the info Heinz. Hope all is going well with you. Look forward to working with you soon. Best,	
Sent: Thursday, October 16, 2014-11:46 AM Eastern Standard Time Fo: Feldmann, Heinrich (NIH/NIAID) [E] Subject: RE: Ebola Outbreak Response Monrovia Liberia If there is anything that you can think of that you would like for me to bring, I will try my best to do so. Best, Josh From: Self, Joshua S. (CDC/OID/NCEZID) Sent: Thursday, October 16, 2014-09:02 AM Eastern Standard Time To: Feldmann, Heinrich (NIH/NIAID) [E] Subject: RE: Ebola Outbreak Response Monrovia Liberia Thank you very much for the info Heinz. Hope all is going well with you. Look forward to working with you soon. Best,	
Sent: Thursday, October 16, 2014-11:46 AM Eastern Standard Time Fo: Feldmann, Heinrich (NIH/NIAID) [E] Subject: RE: Ebola Outbreak Response Monrovia Liberia If there is anything that you can think of that you would like for me to bring, I will try my best to do so. Best, Josh From: Self, Joshua S. (CDC/OID/NCEZID) Sent: Thursday, October 16, 2014-09:02 AM Eastern Standard Time To: Feldmann, Heinrich (NIH/NIAID) [E] Subject: RE: Ebola Outbreak Response Monrovia Liberia Thank you very much for the info Heinz. Hope all is going well with you. Look forward to working with you soon. Best,	
Sent: Thursday, October 16, 2014-11:46 AM Eastern Standard Time Fo: Feldmann, Heinrich (NIH/NIAID) [E] Subject: RE: Ebola Outbreak Response Monrovia Liberia If there is anything that you can think of that you would like for me to bring, I will try my best to do so. Best, Josh From: Self, Joshua S. (CDC/OID/NCEZID) Sent: Thursday, October 16, 2014-09:02 AM Eastern Standard Time To: Feldmann, Heinrich (NIH/NIAID) [E] Subject: RE: Ebola Outbreak Response Monrovia Liberia Thank you very much for the info Heinz. Hope all is going well with you. Look forward to working with you soon. Best,	
Sent: Thursday, October 16, 2014-11:46 AM Eastern Standard Time To: Feldmann, Heinrich (NIH/NIAID) [E] Subject: RE: Ebola Outbreak Response Monrovia Liberia If there is anything that you can think of that you would like for me to bring, I will try my best to do so. Best, Josh From: Self, Joshua S. (CDC/OID/NCEZID) Sent: Thursday, October 16, 2014-09:02 AM Eastern Standard Time To: Feldmann, Heinrich (NIH/NIAID) [E] Subject: RE: Ebola Outbreak Response Monrovia Liberia Thank you very much for the info Heinz. Hope all is going well with you. Look forward to working with you soon. Best,	
Sent: Thursday, October 16, 2014-11:46 AM Eastern Standard Time To: Feldmann, Heinrich (NIH/NIAID) [E] Subject: RE: Ebola Outbreak Response Monrovia Liberia If there is anything that you can think of that you would like for me to bring, I will try my best to do so. Best, Josh From: Self, Joshua S. (CDC/OID/NCEZID) Sent: Thursday, October 16, 2014-09:02 AM Eastern Standard Time To: Feldmann, Heinrich (NIH/NIAID) [E] Subject: RE: Ebola Outbreak Response Monrovia Liberia Thank you very much for the info Heinz. Hope all is going well with you. Look forward to working with you soon. Best,	
Sent: Thursday, October 16, 2014-11:46 AM Eastern Standard Time To: Feldmann, Heinrich (NIH/NIAID) [E] Subject: RE: Ebola Outbreak Response Monrovia Liberia If there is anything that you can think of that you would like for me to bring, I will try my best to do so. Best, Josh From: Self, Joshua S. (CDC/OID/NCEZID) Sent: Thursday, October 16, 2014-09:02 AM Eastern Standard Time To: Feldmann, Heinrich (NIH/NIAID) [E] Subject: RE: Ebola Outbreak Response Monrovia Liberia Thank you very much for the info Heinz. Hope all is going well with you. Look forward to working with you soon. Best,	
Sent: Thursday, October 16, 2014-11:46 AM Eastern Standard Time To: Feldmann, Heinrich (NIH/NIAID) [E] Subject: RE: Ebola Outbreak Response Monrovia Liberia If there is anything that you can think of that you would like for me to bring, I will try my best to do so. Best, Josh From: Self, Joshua S. (CDC/OID/NCEZID) Sent: Thursday, October 16, 2014-09:02 AM Eastern Standard Time To: Feldmann, Heinrich (NIH/NIAID) [E] Subject: RE: Ebola Outbreak Response Monrovia Liberia Thank you very much for the info Heinz. Hope all is going well with you. Look forward to working with you soon. Best,	
Sent: Thursday, October 16, 2014 09:02 AM Eastern Standard Time To: Feldmann, Heinrich (NIH/NIAID) [E] Subject: RE: Ebola Outbreak Response Monrovia Liberia Thank you very much for the info Heinz. Hope all is going well with you. Look forward to working with you soon. Best,	, and the second
Sent: Thursday, October 16, 2014 09:02 AM Eastern Standard Time To: Feldmann, Heinrich (NIH/NIAID) [E] Subject: RE: Ebola Outbreak Response Monrovia Liberia Thank you very much for the info Heinz. Hope all is going well with you. Look forward to working with you soon. Best,	
Sent: Thursday, October 16, 2014 09:02 AM Eastern Standard Time To: Feldmann, Heinrich (NIH/NIAID) [E] Subject: RE: Ebola Outbreak Response Monrovia Liberia Thank you very much for the info Heinz. Hope all is going well with you. Look forward to working with you soon. Best,	
To: Feldmann, Heinrich (NIH/NIAID) [E] Subject: RE: Ebola Outbreak Response Monrovia Liberia Thank you very much for the info Heinz. Hope all is going well with you. Look forward to working with you soon. Best,	From: Self, Joshua S. (CDC/OID/NCEZID)
Subject: RE: Ebola Outbreak Response Monrovia Liberia Thank you very much for the info Heinz. Hope all is going well with you. Look forward to working with you soon. Best,	
	Subject: RE: Ebola Outbreak Response Monrovia Liberia
iosh	
	Thank you very much for the info Heinz. Hope all is going well with you. Look forward to working with you soon. Best,
	Thank you very much for the info Heinz. Hope all is going well with you. Look forward to working with you soon. Best, Josh

	Feldmann, Heinrich (NIH/NIAID) [E]
)	
	From: Self, Joshua S. (CDC/OID/NCEZID)
	Sent: Thursday, October 16, 2014 09:02 AM Eastern Standard Time To: Feldmann, Heinrich (NIH/NIAID) [E]
	Subject: RE: Ebola Outbreak Response Monrovia Liberia
	1 6 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Thank you very much for the info Heinz. Hope all is going well with you. Look forward to working with you soon. Best, Josh

From: Self, Joshua S. (CDC/OID/NCEZID)
Sent: Wednesday, October 15, 2014 11:58 AM Eastern Standard Time
To: Feldmann, Heinrich (NIH/NIAID) [E]

From: Self, Joshua S. (CDC/OID/NCEZID)

Sent: Wednesday, October 15, 2014 11:58 AM Eastern Standard Time

To: Feldmann, Heinrich (NIH/NIAID) [E]

Subject: Ebola Outbreak Response Monrovia Liberia

Dr. Feldmann,

I am scheduled to leave for Liberia on 10/19/2014 as part of the laboratory component. Is it possible to get a list of the PPE that will be used and protocols for the processes (inactivation, RNA extraction, PCR, etc.) that we will be doing? I have a lot of laboratory experience, and would like to become familiar with specific techniques concerning Ebola laboratory techniques in less than optimal conditions. Thank you for your time and consideration. I look forward to working with you in the near future.

Safe travels to Libera.

Best regards,

Joshua Self Microbiologist

Feldmann, Heinrich (NIH/NIAID) [E] (NIH) ---- Original Message ----

From: Damon, Inger K. (CDC/OID/NCEZID)

Sent: Wednesday, October 15, 2014 12:41 PM Eastern Standard Time

To: Brooks, John T. (CDC/OID/NCHHSTP); Redd, Stephen (CDC/OID/OD); Peldmann, Heinrich (NIH/NIAID) [E]

Subject: Montana

Who would be the Poc for the Montana facility to ask if ready for Ebola patients? Adding Heinz

Inger

Inger Damon

Director Division of High Consequence Pathogens and Pathology NCEZID CDC

(NIH)		

--- Original Message ----

From: Damon, Inger K. (CDC/OID/NCEZID)

Sent: Wednesday, October 15, 2014 12:41 PM Eastern Standard Time

To: Brooks, John T. (CDC/OID/NCHHSTP); Redd, Stephen (CDC/OID/OD); Feldmann, Heinrich (NIH/NIAID) [E]

Subject: Montana

Who would be the Poc for the Montana facility to ask if ready for Ebola patients? Adding Heinz

inger

Inger Damon

Director Division of High Consequence Pathogens and Pathology NCEZID.GDC

IIH)		
From: Walke, Henry (CDC/QID/N	CEZIO)	P ₁

Sent: Saturday, October 11, 2014 05:23 AM Eastern Standard Time

To: Flannery, Brendan (CDC/OID/NCIRD); 'MSFOCB-Monrovia-LiaisonOfficer@brussels.msf.org' <MSFOCB-Monrovia-LiaisonOfficer@brussels.msf.org>: Thorne, Gregory Immel (CDC/CGH/DGHA); Flaherty, Patrick (CDC/OID/NCHHSTP); Mott, Joshua (CDC/OID/NCIRD)

Cc: Feldmann, Heinrich (NIH/NIAID) [E]

Subject: Re: request for Chinese delegation visit to ELWA 3 lab

Heinz is this possible?

Henry Walke from cdc. I took over from Brendan

From: Flannery, Brendan (CDC/OID/NCIRD) Sent: Saturday, October 11, 2014 09:09 AM

To: MSFOCB-Monrovia-LiaisonOfficer@brussels.msf.org' <MSFOCB-Monrovia-LiaisonOfficer@brussels.msf.org>; Walke, Henry (CDC/OID/NCEZID); Thorne, Gregory Immel (CDC/CGH/DGHA); Flaherty, Patrick (CDC/DID/NCHHSTP); Mott, Joshua (CDC/OID/NCIRD)

Subject: Re: request for Chinese delegation visit to ELWA 3 lab

Yes-great idea, I left yesterday. Copying henry walke to organize. He has my phone number Thanks for all the help

Brendan

From: MSFOCB-Monrovia-LiaisonOfficer [mailto:MSFOCB-Monrovia-LiaisonOfficer@brussels.msf.org]

Sent: Saturday, October 11, 2014 03:34 AM Eastern Standard Time

To: Flannery, Brendan (CDC/OID/NCIRD)

Subject: request for Chinese delegation visit to ELWA 3 lab

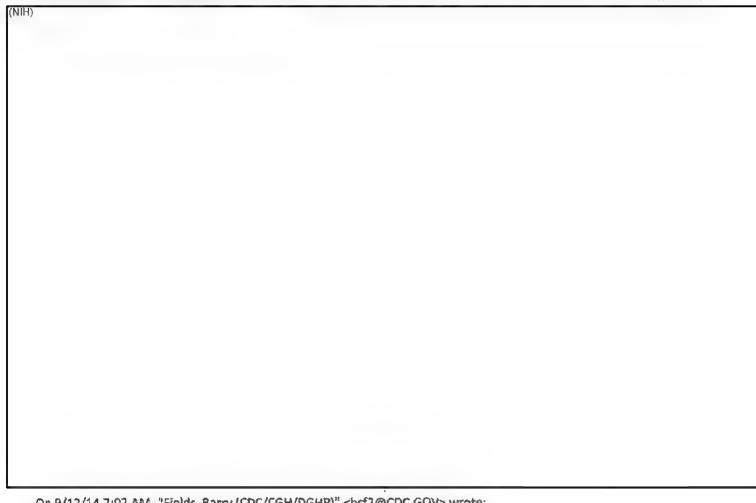
Hi Brendan.

The Chinese have an Advanced Team of officials who are doing a fact-finding visit for possible deployment of a medical team for Ebola in Liberia. In addition to visiting ELWA, they requested to visit the CDC lab. They should be at ELWA at about 9 am tomorrow.

Would a visit to the lab be possible?

Thanks!

Kris



On 9/12/14 7:02 AM, "Fields, Barry (CDC/CGH/DGHP)" <bsf2@CDC.GOV> wrote:

```
>Here are the sequences if you need them.
>Barry
>Ebola Zaire F
>TGG GCT GAA AAY TGC TAC AAT C
>Ebola Zaire R
>CTT TGC GMA CAT ASC GGC AC
>Ebola Zaire Probe
>5'- CT AGC AGC GCC AGA CGG- 3'
```

(NIH)	
(*****)	

---- Orlginal Message -----

From: Khen, Ali \$ [mailto:ali.khan@unmc.edu]

Sent: Tuesday, October 07, 2014 11:46 PM Eastern Standard Time

To: Uyeki; Timothy M. (CDC/OID/NCIRD)

Cc: Feldmann, Heinrich (NiH/NIAID) [E]; De Alba, Armando <armando:dealba@unmc.edu>

Subject: Re: CMX-001 or 1705

Thanks Tim for these ideas. Very helpful. With 50% case fatality, the power calculations are simple. We can do this.

Chatted with Lu today.

Waiting for Heinz to check with MSF.

Best and thank you for the great info going out and the individual clinician consultation.

All

- * UNMC College of Public Health Bringing innovative solutions to healthier communities in Nebraska and worldwide
- > On Oct 7, 2014, at 10:26 PM, Uyeki, Timothy M. (CDC/OID/NCIRB) <tmu0@cdc.gov> wrote:
- > In the West Africa setting, unless the Ebola Treatment Unit is providing IV fluid hydration, would need to use oral therapies. There clearly are some therapies that would need to be administered intravenously. But an oral medication is what is needed assuming the patient is not in the profuse diarrheal phase or vomiting phase issues with drug absorption. The comparison group is key ideally, an RCT would be best, but you do not need a placebo can randomize to standard of care, but need to standardize the clinical care in the study population. Virological monitoring to compare pre-treatment viral load and change in viral load as a secondary outcome with the primary outcome being surviva would be highly desirable. Just some quick thoughts.
- > Tim
- > ---- Original Message----
- > From: Khan, Ali 5 [mailto:ali.khan@unmc.edu]
- > Sent: Monday, October 06, 2014 11:40 PM
- > To: Uyeki, Timothy M. (CDC/OID/NCIRD)
- > Cc: Feldmann, Heinrich (NIH/NIAID) [E]
- > Subject: Re: CMX-001 or T705
- >
- > Thanks Tim

---- Original Message ----

From Khan, Ali S [mailto:aii.khan@unmc.edu]

Sent: Tuesday, October 07, 2014 11:46 PM Eastern Standard Time

To: Uyeki, Timothy M. (CDC/OID/NCIRD)

Cc: Feldmann, Heinrich (NIH/N)AID) [E]; De Alba, Armando <armando.dealba@unmc.edu>

Subject: Re: CMX-001 or T705

Thanks Tim for these ideas. Very helpful. With 50% case fatality, the power calculations are simple. We can do this. Chatted with Lu today.

Waiting for Heinz to check with MSF.

Best and thank you for the great info going out and the individual clinician consultation.

Ali

- UNMC College of Public Health Bringing Innovative solutions to healthier communities in Nebraska and worldwide
- > On Oct 7, 2014, at 10:26 PM, Uyeki, Timothy M. (CDC/OID/NGIRD) <tmu0@cdc.gov> wrote:

> In the West Africa setting, unless the Ebola Treatment Unit is providing IV fluid hydration, would need to use oral therapies. There clearly are some therapies that would need to be administered intravenously. But an oral medication is what is needed - assuming the patient is not in the profuse diarrheal phase or vomiting phase - issues with drug absorption. The comparison group is key - ideally, an RCT would be best, but you do not need a placebo - can randomize to standard of care, but need to standardize the clinical care in the study population. Virological monitoring to compare pre-treatment viral load and change in viral load as a secondary outcome with the primary outcome being survival would be highly desirable. Bust some quick thoughts.

- > Tim
- > ---- Original Message
- > From: Khan, Ali S [mairto:ali.khan@unmc.edu]
- > Sent: Monday, October 06, 2014 11:40 PM
- > To- Uyeki, Timothy M. (CDC/OID/NCIRD)
- > Cc: Feldmann, Heinrich (NiH/NiAiD) [E]
- > Subject: Re: CMX-001 or T705

>

Original Message— rom: Fields, Barry (CDC/CGH/DGHP) ent- Saturoay, October 04, 2014 10:33 AM b: Feldmann, Heinstoh (NHH/NIAID) [E]; McNally, Kristin (NHH/NIAID) [E]; Rosenke, Kyle (NIH/NIAID) [F] b: Nichol, Stuart T. (CDC/OID/NCEZID); Rollin, Pierre (CDC/OID/NCEZID); Munster, Vincent (NIH/NIAID) [E]: Rosenke, yle (NIH/NIAID) [F] biglect: Re: Expat sample cood. That vehicle should be parked and not used for transportation for now. ent from my BlackBerry 10 smartphone.		
rom: Fleids, Barry (CDC/CGH/DGHP) ent: Saturday, October 04, 2014 10:33 AM o: Feldmann, Heinrich (NIH/NIAID) [E]; McNally, Kristin (NIH/NIAID) [E]; Rosenke, Kyle (NIH/NIAID) [F] o: Nichol, Stuart T. (CDC/OID/NCEZID); Rollin, Pierre (CDC/OID/NCEZID); Munster, Vincent (NIH/NIAID) [E]; Rosenke, yle (NIH/NIAID) [F] ubject: Re: Expat sample ood. That vehicle should be parked and not used for transportation for now.		
rom: Fleids, Barry (CDC/CGH/DGHP) ent: Saturday, October 04, 2014 10:33 AM o: Feldmann, Heinrich (NIH/NIAID) [E]; McNally, Kristin (NIH/NIAID) [E]; Rosenke, Kyle (NIH/NIAID) [F] o: Nichol, Stuart T. (CDC/OID/NCEZID); Rollin, Pierre (CDC/OID/NCEZID); Munster, Vincent (NIH/NIAID) [E]; Rosenke, yle (NIH/NIAID) [F] ubject: Re: Expat sample ood. That vehicle should be parked and not used for transportation for now.		
rom: Fleids, Barry (CDC/CGH/DGHP) ent: Saturday, October 04, 2014 10:33 AM o: Feldmann, Heinrich (NIH/NIAID) [E]; McNally, Kristin (NIH/NIAID) [E]; Rosenke, Kyle (NIH/NIAID) [F] o: Nichol, Stuart T. (CDC/OID/NCEZID); Rollin, Pierre (CDC/OID/NCEZID); Munster, Vincent (NIH/NIAID) [E]; Rosenke, yle (NIH/NIAID) [F] ubject: Re: Expat sample ood. That vehicle should be parked and not used for transportation for now.		
rom: Fleids, Barry (CDC/CGH/DGHP) ent: Saturday, October 04, 2014 10:33 AM o: Feldmann, Heinrich (NIH/NIAID) [E]; McNally, Kristin (NIH/NIAID) [E]; Rosenke, Kyle (NIH/NIAID) [F] o: Nichol, Stuart T. (CDC/OID/NCEZID); Rollin, Pierre (CDC/OID/NCEZID); Munster, Vincent (NIH/NIAID) [E]; Rosenke, yle (NIH/NIAID) [F] ubject: Re: Expat sample ood. That vehicle should be parked and not used for transportation for now.		
rom: Fleids, Barry (CDC/CGH/DGHP) ent: Saturday, October 04, 2014 10:33 AM o: Feldmann, Heinrich (NIH/NIAID) [E]; McNally, Kristin (NIH/NIAID) [E]; Rosenke, Kyle (NIH/NIAID) [F] o: Nichol, Stuart T. (CDC/OID/NCEZID); Rollin, Pierre (CDC/OID/NCEZID); Munster, Vincent (NIH/NIAID) [E]; Rosenke, yle (NIH/NIAID) [F] ubject: Re: Expat sample ood. That vehicle should be parked and not used for transportation for now.		
ent: Saturday, October 04, 2014 10:33 AM o: Feldmann, Heinrich (NiH/NIAID) [E]; McNally, Kristin (NiH/NIAID) [E]; Rosenke, Kyle (NiH/NIAID) [F] o: Nichol, Stuart T. (CDC/OID/NCEZID); Rollin, Pierre (CDC/OID/NCEZID); Munster, Vincent (NiH/NIAID) [E]; Rosenke, yle (NiH/NIAID) [F] ubject: Re: Expat sample ood. That vehicle should be parked and not used for transportation for now.	Original Me:	3ge
o: Feldmann, Heinrich (NIH/NIAID) [E]; McNally, Kristin (NIH/NIAID) [E]; Rosenke, Kyle (NIH/NIAID) [F] c: Nichol, Stuart T. (CDC/OID/NCEZID); Rollin, Pierre (CDC/OID/NCEZID); Munster, Vincent (NIH/NIAID) [E]; Rosenke, yle (NIH/NIAID) [F] ubject: Re: Expat sample ood. That vehicle should be parked and not used for transportation for now. ent from my BlackBerry 10 smartphone.	rom: Fleids, Ba	ry (CDC/CGH/DGHP)
c: Nichol, Stuart T. (CDC/OID/NCEZID); Rollin, Pierre (CDC/OID/NCEZID); Munster, Vincent (NiH/NIAID) [E]; Rosenke, yle (NiH/NIAID) [F] ubject: Re: Expat sample ood. That vehicle should be parked and not used for transportation for now. ent from my BlackBerry 10 smartphone.		
yle (NIH/NIAID) [F] ubject: Re: Expat sample ood. That vehicle should be parked and not used for transportation for now. ent from my BlackBerry 10 smartphone.		
ood. That vehicle should be parked and not used for transportation for now. ant from my BlackBerry 10 smartphone.		
ood. That vehicle should be parked and not used for transportation for now. ent from my BlackBerry 10 smartphone.		
ent from my BlackBerry 10 smartphone.		
	lood. That ve	cie should be parked and not used for transportation for now.
	ent from my Bl	ckBerry 10 smartphone.
	H)	
	1)	

-	eldmann, Heinrich (NIH/NIAID) [E]
H)	
-	Original Message
	From: Fleids, Barry (CDC/CGH/DGHP)
	Sent: Saturday, October 04, 2014 10:23 AM
	To: Feldmann, Heinrich (NIH/NIAID) [E]; McNally, Kristin (NIH/NIAID) [E]; Nichol, Stuart T. (CDC/OID/NCEZID); Rollin,
	Pierre (CDC/OID/NCEZID) Cc: Munster, Vincent (NIH/NIAID) [E]; Rosenke, Kyle (NIH/NIAID) [F]
	Subject: Re: Expat sample
	Sorry I am a bit disconnected but you should use another driver and vehicle until this is resolved,
	Barry
4	Sent from my BlackBerry 10 smartphone.
	deliction the president and other spinores

Feldmann, Heinrich (NIH/NIAID) [E] (NIH) On Oct 1, 2014, at 9:22, "Juma, Bonventure (CDC/CGH/DGHP)" < xwl2@cdc.gov > wrote: Let her come to the lab at ELWA 3. The lab is about 100 meters from MSF. Thanks. Bonventure Juma. Sent from my BlackBerry 10 smartphone. a manager of the second of the From: Telfer, Jana L. (CDC/ONDIEH/NCEH) Sent: Wednesday, October 1, 2014 11:58 AM To: Msfocb-monrovia-emed@brussels.msf.org Cc: Murphree, Rendi (CDC/OPHPR/DSLR); Juma, Bonventure (CDC/CGH/DGHP); Panasuk, Brian J. (CDC/OPHPR/DEO) Subject: NBC News Interest in ELWA Laboratory Greenags, NBC News' Dr. Nancy Snyderman has expressed interest in visiting the ELWA laboratory to

understand some of the issues and progress made in testing. Might you be able to assist with regard

Original Message From: Towner, Jonathan (Jon) (CDC/OID/NCEZID) Sent: Tuesday, Sentember 30, 2014 5:06 PM To: Feldmann, Heindich (NIH/NIAID) [E] Cot: Munster, Vincent (NIH/NIAID) [E] Subject: Re: Shipment to CDC/NiH Lab - Monrovia - Sept. 15, 2014 Awesome, thanks Heinz. 'Fil share with them. These guys have a pretty incredible setup built into two trucks that are stitched together. Inside khey have a BSC and glove box, but also wear full tyvek, PAPR and NS5 underneathvery cautious! I think they wanted to remove the inactivation step since its to rate limiting, but their biosafety officer insiste on it since they have no safety test data. Your outline below will be a big help. As you can imagine CDC has its hands full with this Texas case. Cheers, Jon	Feldmann, Heinrich (NIH/NIAID) [E]
From: Towner, Jonathan (Jon) (CDC/OID/NCEZID) Sent: Tuesday, September 30, 2014 5:06 PM To: Feldmann, Heinrich (NiH/NIAID) [E] Cc: Munster, Vincent (NiH/NIAID) [E] Subject: Re: Shipment to CDC/NiH Lab - Monrovia - Sept. 15, 2014 Awesome, thanks Heinz. I'll share with them. These guys have a pretty incredible setup built into two trucks that are stitched together. Inside they have a BSC and glove box, but also wear full tyvek, PAPR and N95 underneathvery cautious! I think they wanted to remove the inactivation step since its so rate limiting, but their biosafety officer insister on it since they have no safety test data. Your outline below will be a big help. As you can imagine CDC has its hands full with this Texas case. Cheers,	
From: Towner, Jonathan (Jon) (CDC/OID/NCEZID) Sent: Tuesday, September 30, 2014 5:06 PM To: Feldmann, Heinrich (NiH/NIAID) [E] Cc: Munster, Vincent (NiH/NIAID) [E] Subject: Re: Shipment to CDC/NiH Lab - Monrovia - Sept. 15, 2014 Awesome, thanks Heinz. I'll share with them. These guys have a pretty incredible setup built into two trucks that are stitched together. Inside they have a BSC and glove box, but also wear full tyvek, PAPR and N95 underneathvery cautious! I think they wanted to remove the inactivation step since its so rate limiting, but their biosafety officer insister on it since they have no safety test data. Your outline below will be a big help. As you can imagine CDC has its hands full with this Texas case. Cheers,	
From: Towner, Jonathan (Jon) (CDC/OID/NCEZID) Sent: Tuesday, September 30, 2014 5:06 PM To: Feldmann, Heinrich (NiH/NIAID) [E] Cc: Munster, Vincent (NiH/NIAID) [E] Subject: Re: Shipment to CDC/NiH Lab - Monrovia - Sept. 15, 2014 Awesome, thanks Heinz. I'll share with them. These guys have a pretty incredible setup built into two trucks that are stitched together. Inside they have a BSC and glove box, but also wear full tyvek, PAPR and N95 underneathvery cautious! I think they wanted to remove the inactivation step since its so rate limiting, but their biosafety officer insister on it since they have no safety test data. Your outline below will be a big help. As you can imagine CDC has its hands full with this Texas case. Cheers,	
From: Towner, Jonathan (Jon) (CDC/OID/NCEZID) Sent: Tuesday, September 30, 2014 5:06 PM To: Feldmann, Heinrich (NiH/NIAID) [E] Cc: Munster, Vincent (NiH/NIAID) [E] Subject: Re: Shipment to CDC/NiH Lab - Monrovia - Sept. 15, 2014 Awesome, thanks Heinz. I'll share with them. These guys have a pretty incredible setup built into two trucks that are stitched together. Inside they have a BSC and glove box, but also wear full tyvek, PAPR and N95 underneathvery cautious! I think they wanted to remove the inactivation step since its so rate limiting, but their biosafety officer insister on it since they have no safety test data. Your outline below will be a big help. As you can imagine CDC has its hands full with this Texas case. Cheers,	
From: Towner, Jonathan (Jon) (CDC/OID/NCEZID) Sent: Tuesday, September 30, 2014 5:06 PM To: Feldmann, Heinrich (NiH/NIAID) [E] Cc: Munster, Vincent (NiH/NIAID) [E] Subject: Re: Shipment to CDC/NiH Lab - Monrovia - Sept. 15, 2014 Awesome, thanks Heinz. I'll share with them. These guys have a pretty incredible setup built into two trucks that are stitched together. Inside they have a BSC and glove box, but also wear full tyvek, PAPR and N95 underneathvery cautious! I think they wanted to remove the inactivation step since its so rate limiting, but their biosafety officer insister on it since they have no safety test data. Your outline below will be a big help. As you can imagine CDC has its hands full with this Texas case. Cheers,	
From: Towner, Jonathan (Jon) (CDC/OID/NCEZID) Sent: Tuesday, September 30, 2014 5:06 PM To: Feldmann, Heinrich (NiH/NIAID) [E] Cc: Munster, Vincent (NiH/NIAID) [E] Subject: Re: Shipment to CDC/NiH Lab - Monrovia - Sept. 15, 2014 Awesome, thanks Heinz. I'll share with them. These guys have a pretty incredible setup built into two trucks that are stitched together. Inside they have a BSC and glove box, but also wear full tyvek, PAPR and N95 underneathvery cautious! I think they wanted to remove the inactivation step since its so rate limiting, but their biosafety officer insister on it since they have no safety test data. Your outline below will be a big help. As you can imagine CDC has its hands full with this Texas case. Cheers,	
From: Towner, Jonathan (Jon) (CDC/OID/NCEZID) Sent: Tuesday, September 30, 2014 5:06 PM To: Feldmann, Heinrich (NiH/NIAID) [E] Cc: Munster, Vincent (NiH/NIAID) [E] Subject: Re: Shipment to CDC/NiH Lab - Monrovia - Sept. 15, 2014 Awesome, thanks Heinz. I'll share with them. These guys have a pretty incredible setup built into two trucks that are stitched together. Inside they have a BSC and glove box, but also wear full tyvek, PAPR and N95 underneathvery cautious! I think they wanted to remove the inactivation step since its so rate limiting, but their biosafety officer insister on it since they have no safety test data. Your outline below will be a big help. As you can imagine CDC has its hands full with this Texas case. Cheers,	
From: Towner, Jonathan (Jon) (CDC/OID/NCEZID) Sent: Tuesday, September 30, 2014 5:06 PM To: Feldmann, Heinrich (NiH/NIAID) [E] Cc: Munster, Vincent (NiH/NIAID) [E] Subject: Re: Shipment to CDC/NiH Lab - Monrovia - Sept. 15, 2014 Awesome, thanks Heinz. I'll share with them. These guys have a pretty incredible setup built into two trucks that are stitched together. Inside they have a BSC and glove box, but also wear full tyvek, PAPR and N95 underneathvery cautious! I think they wanted to remove the inactivation step since its so rate limiting, but their biosafety officer insister on it since they have no safety test data. Your outline below will be a big help. As you can imagine CDC has its hands full with this Texas case. Cheers,	
From: Towner, Jonathan (Jon) (CDC/OID/NCEZID) Sent: Tuesday, September 30, 2014 5:06 PM To: Feldmann, Heinrich (NiH/NIAID) [E] Cc: Munster, Vincent (NiH/NIAID) [E] Subject: Re: Shipment to CDC/NiH Lab - Monrovia - Sept. 15, 2014 Awesome, thanks Heinz. I'll share with them. These guys have a pretty incredible setup built into two trucks that are stitched together. Inside they have a BSC and glove box, but also wear full tyvek, PAPR and N95 underneathvery cautious! I think they wanted to remove the inactivation step since its so rate limiting, but their biosafety officer insister on it since they have no safety test data. Your outline below will be a big help. As you can imagine CDC has its hands full with this Texas case. Cheers,	
From: Towner, Jonathan (Jon) (CDC/OID/NCEZID) Sent: Tuesday, September 30, 2014 5:06 PM To: Feldmann, Heinrich (NiH/NIAID) [E] Cc: Munster, Vincent (NiH/NIAID) [E] Subject: Re: Shipment to CDC/NiH Lab - Monrovia - Sept. 15, 2014 Awesome, thanks Heinz. I'll share with them. These guys have a pretty incredible setup built into two trucks that are stitched together. Inside they have a BSC and glove box, but also wear full tyvek, PAPR and N95 underneathvery cautious! I think they wanted to remove the inactivation step since its so rate limiting, but their biosafety officer insister on it since they have no safety test data. Your outline below will be a big help. As you can imagine CDC has its hands full with this Texas case. Cheers,	
From: Towner, Jonathan (Jon) (CDC/OID/NCEZID) Sent: Tuesday, September 30, 2014 5:06 PM To: Feldmann, Heinrich (NiH/NIAID) [E] Cc: Munster, Vincent (NiH/NIAID) [E] Subject: Re: Shipment to CDC/NiH Lab - Monrovia - Sept. 15, 2014 Awesome, thanks Heinz. I'll share with them. These guys have a pretty incredible setup built into two trucks that are stitched together. Inside they have a BSC and glove box, but also wear full tyvek, PAPR and N95 underneathvery cautious! I think they wanted to remove the inactivation step since its so rate limiting, but their biosafety officer insister on it since they have no safety test data. Your outline below will be a big help. As you can imagine CDC has its hands full with this Texas case. Cheers,	Original Message
Sent: Tuesday, September 30, 2014 5:06 PM To: Feldmann, Heinrich (NiH/NIAID) [E] Co: Munster, Vincent (NiH/NIAID) [E] Subject: Re: Shipment to CDC/NIH Lab - Monrovia - Sept. 15, 2014 Awesome, thanks Heinz. I'll share with them. These guys have a pretty incredible setup built into two trucks that are stitched together. Inside they have a BSC and glove box, but also wear full tyvek, PAPR and N95 underneathvery cautious! I think they wanted to remove the inactivation step since its so rate limiting, but their biosafety officer insister on it since they have no safety test data. Your outline below will be a big help. As you can imagine CDC has its hands full with this Texas case. Cheers,	
To: Feldmann, Heinrich (NIH/NIAID) [E] Co: Munster, Vincent (NIH/NIAID) [E] Subject: Re: Shipment to CDC/NIH Lab - Monrovia - Sept. 15, 2014 Awesome, thanks Heinz. I'll share with them. These guys have a pretty incredible setup built into two trucks that are stitched together. Inside they have a BSC and glove box, but also wear full tyvek, PAPR and N95 underneathvery cautious! I think they wanted to remove the inactivation step since its so rate limiting, but their blosafety officer insister on it since they have no safety test data. Your outline below will be a big help. As you can imagine CDC has its hands full with this Texas case. Cheers,	
Cc: Munster, Vincent (NIH/NIAID) [E] Subject: Re: Shipment to CDC/NIH Lab - Monrovia - Sept. 15, 2014 Awesome, thanks Heinz. I'll share with them. These guys have a pretty incredible setup built into two trucks that are stitched together. Inside they have a BSC and glove box, but also wear full tyvek, PAPR and N95 underneathvery cautious! I think they wanted to remove the inactivation step since its so rate limiting, but their blosafety officer insister on it since they have no safety test data. Your outline below will be a big help. As you can imagine CDC has its hands full with this Texas case. Cheers,	
Awesome, thanks Heinz. I'll share with them. These guys have a pretty incredible setup built into two trucks that are stitched together. Inside they have a BSC and glove box, but also wear full tyvek, PAPR and N95 underneathvery cautious! I think they wanted to remove the inactivation step since its so rate limiting, but their blosafety officer insisteron it since they have no safety test data. Your outline below will be a big help. As you can imagine CDC has its hands full with this Texas case. Cheers,	
Awesome, thanks Heinz. I'll share with them. These guys have a pretty incredible setup built into two trucks that are stitched together. Inside they have a BSC and glove box, but also wear full tyvek, PAPR and N95 underneathvery cautious! I think they wanted to remove the inactivation step since its so rate limiting, but their blosafety officer insiste on it since they have no safety test data. Your outline below will be a big help. As you can imagine CDC has its hands full with this Texas case. Cheers,	
stitched together. Inside they have a BSC and glove box, but also wear full tyvek, PAPR and N95 underneathvery cautious! I think they wanted to remove the inactivation step since its so rate limiting, but their blosafety officer insister on it since they have no safety test data. Your outline below will be a big help. As you can imagine CDC has its hands full with this Texas case. Cheers,	Sandens (20) Authorities to an all the man interest and an
stitched together. Inside they have a BSC and glove box, but also wear full tyvek, PAPR and N95 underneathvery cautious! I think they wanted to remove the inactivation step since its so rate limiting, but their blosafety officer insister on it since they have no safety test data. Your outline below will be a big help. As you can imagine CDC has its hands full with this Texas case. Cheers,	Awasome, thanks Heinz, I'll share with them. These guys have a pretty incredible setup built into two trucks that are
cautious! I think they wanted to remove the inactivation step since its so rate limiting, but their blosafety officer insisted on it since they have no safety test data. Your outline below will be a big help. As you can imagine CDC has its hands full with this Texas case. Cheers,	
on it since they have no safety test data. Your outline below will be a big help. As you can imagine CDC has its hands full with this Texas case. Cheers,	
As you can imagine CDC has its hands full with this Texas case. Cheers,	
Cheers,	Citiz anide the a residence and remains the committee of
Cheers,	As you can impoine CDC has its hands full with this Toyas rase

iiH)		

----Original Message-----

From. Towner, Jonathan (Jon) (CDC/OID/NCEZID) Sent: Tuesday, September 30, 2014 4:49 PM

Feldmann, Heinrich (NIH/NIAID) [E]

To: Munster, Vincent (NIH/NIAID) [E]; Feldmann, Heinrich (NIH/NIAID) [E]

Subject: Re: Shipment to CDC/NIH Lab - Monrovia - Sept. 15, 2014

Vincent or Heinz,

Could one of you sent your extraction SOP you're using in the field for working with Qiagen columns that includes the alcohol step to ensure 100 percent inactivation? I'm here in Sierra Leone and we visited the Chinese lab here outside of Freetown. For RNA extractions they are using Qiagen.columns and AVI buffer and an alcohol step, but didn't provide the specifics. I'd like to provide them with the exact same steps you take since I know you've safety tested the process. I'm trying to convince them to remove a 1 hour 60 deg heat inactivation step prior to using the Qiagen kit, but don't have a specific protocol with me to tell them to use that I know is safe. They're probably doing the exact same as you, but I'd like to be sure. Would that be okay?

Many thanks,

Jon

	Feldmann, Heinrich (NIH/NIAID) [E]
(NIH)	
,	On Sep 29, 2014, at 13:46, "Nichol, Stuart T. (CDC/OID/NCEZID)" < stu1@CDC.GOV > wrote:
	That's good news. Dr. Frieden was asking me last night about the progress on this.
	Thanks

From: Norwood, David A Jr CIV USARMY MEDCOM USAMRIID (US)

[mailto:david.a.norwood.civ@mail.mil]

Sent: Monday, September 29, 2014 9:45 AM

To: Flynn, Jesse M CTR OSD OUSD ATL (US); Bartee, Maureen S CIV (US); Watson, Ian D CIV (US); Newman, Carl I CIV (US); Nichol, Stuart T. (CDC/OID/NCEZID); Smith, Michael A CIV (US); Stroeher, Ute (CDC/OID/NCEZID); Geibe, Jesse R. (CDC/OPHPR/OD); Montgomery, Joel M. (CDC/CGH/DGHP); Fields, Barry (CDC/CGH/DGHP); Feldmann, Heinrich (NIH/NIAID) [E]; Lane, Cliff (NIH/NIAID) [E]; Munster, Vincent (NIH/NIAID) [E]; Smith, Jennifer B CIV (US); Pimentel, Guillermo CDR USN NAVMEDRSCHCEN (US)

Cc: Hensley, Lisa (NIH/NIAID) [F]; Woollen, Neal E LTC USARMY MEDCOM USAMRIID (US); Dorau,

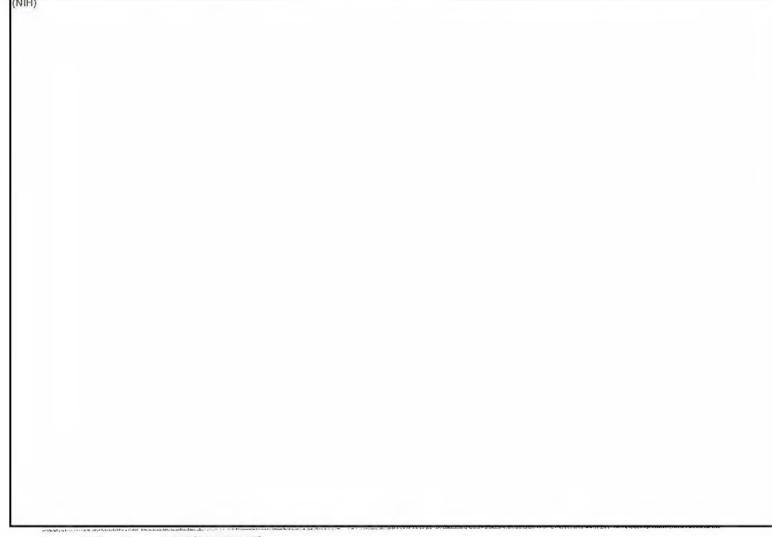
Andrew C CIV DTRA J3-7 (US)

Subject: RE: Weekly DoD-CDC-NIH Ebola Lab Synchronization Call (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Stuart



From: Fuller, Serena (CDC/CGH/DGHP)

Sent: Wednesday, September 24, 2014 2:58 PM

To: LORENZIN, Egle

Cc: Neatherlin, John C. (CDC/CGH/DGHP); Fields, Barry (CDC/CGH/DGHP); Feldmann, Heinrich (NIH/NIAID) [E]; Montgomery, Joel M. (CDC/CGH/DGHP); Osanya, Cynthia A. (CDC/CGH/DGHP); UMALI DALANGIN, Khristeen; GURRY, Celine; goarn; GDD-OUTBREAK (CDC); CDC IMS Deployment Coordinator (CDC)

Subject: RE: GOARN Pre-deployment package for Drs Bonventure Juma & Melvin Ochieng (CDC Lab experts), Ebola

outbreak, Liberia

HI Egle,

We would like to deploy the following people to Liberia. Can you send them the pre-deployment package? CDC will arrange travel.

Name	E-mail	Dates	Role
Victor Ombaila	vomballa@kemricdc.org	9/29/14 - 10/27/14	Lab
Collins Owuor	cowuor@kemricdc.org	9/29/14 - 10/27/14	Lab

Outsinal Massaca		
Original Message		
From: Nichol, Stuart.T. (C	CDC/OID/NGEZID)	
From: Nichol, Stuart T. (C Sent: Tuesday, September	CDC/OID/NCEZID) er 23, 2014 8:47 AM	f nih zov ^{i.} Hensley Lisa (NIH/NIAI)
From: Nichol, Stuart T. (C Sent: Tuesday, September To: Norwood, David A Jr	CDC/OID/NCEZID) er 23, 2014 8:47 AM CIV USARMY MEDCOM USAMRIID (US); 'feldmannh@niai	f.nih.gov'; Hensley, Lisa (NIH/NIAI)
From: Nichol, Stuart T. (C Sent: Tuesday, September To: Norwood, David A Jr [E]; Woollen, Neal E LTC:	CDC/OID/NGEZID) er 23, 2014 8:47 AM CIV USARMY MEDCOM USAMRIID (US); 'feldmannh@niai USARMY MEDCOM USAMRIID (US); 'anna.honko@nih.gov	f.nih.gov'; Hensley, Lisa (NIH/NIAID '; Geisbert, Tom
From: Nichol, Stuart T. (C Sent: Tuesday, September To: Norwood, David A Jr [E]; Woollen, Neal E LTC (tom.geisbert@utmb.edu	CDC/OID/NCEZID) er 23, 2014 8:47 AM CIV USARMY MEDCOM USAMRIID (US); 'feldmannh@niai USARMY MEDCOM USAMRIID (US); 'feldmannh@niai USARMY MEDCOM USAMRIID (US); 'anna.honko@nih.gov u); Kobinger, Gary (Public Health Agency of Canada)	f.nih.gov'; Hensley, Lisa (NIH/NIAII '; Geisbert, Tom
From: Nichol, Stuart T. (C Sent: Tuesday, September To: Norwood, David A Ir [E]; Woollen, Neal E LTC:	CDC/OID/NCEZID) er 23, 2014 8:47 AM CIV USARMY MEDCOM USAMRIID (US); 'feldmannh@niai USARMY MEDCOM USAMRIID (US); 'anna.honko@nih.gov u); Kobinger, Gary (Public Health Agency of Canada) //OID/NCEZID) (CTR)	f.nih.gov'; Hensley, Lisa (NIH/NIAID '; Geisbert, Tom
From: Nichol, Stuart T. (C Sent: Tuesday, September To: Norwood, David A Jr [E]; Woollen, Neal E LTC (tom.geisbert@utmb.edi Cc: Ervin, Elizabeth (CDC,	CDC/OID/NCEZID) er 23, 2014 8:47 AM CIV USARMY MEDCOM USAMRIID (US); 'feldmannh@niai USARMY MEDCOM USAMRIID (US); 'anna.honko@nih.gov u); Kobinger, Gary (Public Health Agency of Canada) //OID/NCEZID) (CTR)	f.nih.gov'; Hensley, Lisa (NIH/NIAII '; Gelsbert, Tom
From: Nichol, Stuart T. (C Sent: Tuesday, September To: Norwood, David A Jr [E]; Woollen, Neal E LTC (tom.geisbert@utmb.edi Cc: Ervin, Elizabeth (CDC,	CDC/OID/NCEZID) er 23, 2014 8:47 AM CIV USARMY MEDCOM USAMRIID (US); 'feldmannh@niai USARMY MEDCOM USAMRIID (US); 'anna.honko@nih.gov u); Kobinger, Gary (Public Health Agency of Canada) //OID/NCEZID) (CTR)	f.nih.gov'; Hensley, Lisa (NIH/NIAID '; Geisbert, Tom
From: Nichol, Stuart T. (C Sent: Tuesday, September To: Norwood, David A Jr [E]; Woollen, Neal E LTC (tom.geisbert@utmb.edi Cc: Ervin, Elizabeth (CDC, Subject: Ct versus virus is	CDC/OID/NCEZID) er 23, 2014 8:47 AM CIV USARMY MEDCOM USAMRIID (US); 'feldmannh@niai USARMY MEDCOM USAMRIID (US); 'anna.honko@nih.gov u); Kobinger, Gary (Public Health Agency of Canada) //OID/NCEZID) (CTR)	f.nih.gov'; Hensley, Lisa (NIH/NIAID '; Geisbert, Tom
From: Nichol, Stuart T. (C Sent: Tuesday, September To: Norwood, David A Jr [E]; Woollen, Neal E LTC (tom.geisbert@utmb.edi Cc: Ervin, Elizabeth (CDC, Subject: Ct versus virus is	CDC/OID/NCEZID) er 23, 2014 8:47 AM CIV USARMY MEDCOM USAMRIID (US); 'feldmannh@niai USARMY MEDCOM USAMRIID (US); 'anna.honko@nih.gov u); Kobinger, Gary (Public Health Agency of Canada) //OID/NCEZID) (CTR)	f.nih.gov'; Hensley, Lisa (NIH/NIAID '; Gelsbert, Tom
From: Nichol, Stuart T. (C Sent: Tuesday, September To: Norwood, David A Jr [E]; Woollen, Neal E LTC (tom.geisbert@utmb.edi Cc: Ervin, Elizabeth (CDC, Subject: Ct versus virus is	cDC/OID/NCEZID) er 23, 2014 8:47 AM civ USARMY MEDCOM USAMRIID (US); 'feldmannh@niaio USARMY MEDCOM USAMRIID (US); 'anna.honko@nih.gov u); Kobinger, Gary (Public Health Agency of Canada) /OID/NCEZID) (CTR) solation	f.nih.gov'; Hensley, Lisa (NIH/NIAID '; Geisbert, Tom
From: Nichol, Stuart T. (C Sent: Tuesday, September To: Norwood, David A Jr [E]; Woollen, Neal E LTC (tom.geisbert@utmb.edi Cc: Ervin, Elizabeth (CDC, Subject: Ct versus virus is	CDC/OID/NCEZID) er 23, 2014 8:47 AM CIV USARMY MEDCOM USAMRIID (US); 'feldmannh@niai USARMY MEDCOM USAMRIID (US); 'anna.honko@nih.gov u); Kobinger, Gary (Public Health Agency of Canada) //OID/NCEZID) (CTR)	f.nih.gov'; Hensley, Lisa (NIH/NIAID '; Geisbert, Tom
From: Nichol, Stuart T. (C Sent: Tuesday, September To: Norwood, David A Jr [E]; Woollen, Neal E LTC (tom.geisbert@utmb.edi Cc: Ervin, Elizabeth (CDC, Subject: Ct versus virus is	cDC/OID/NCEZID) er 23, 2014 8:47 AM civ USARMY MEDCOM USAMRIID (US); 'feldmannh@niaio USARMY MEDCOM USAMRIID (US); 'anna.honko@nih.gov u); Kobinger, Gary (Public Health Agency of Canada) /OID/NCEZID) (CTR) solation	f.nih.gov'; Hensley, Lisa (NIH/NIAID '; Gelsbert, Tom

(NIH)		

From: Ervin, Elizabeth (CDC/OID/NCEZID) (CTR)

Sent: Friday, September 19, 2014 3:00 PM

To: Feldmann, Heinrich (NIH/NIAID) [E]; Rollin, Pierre (CDC/OID/NCEZID); Thorne, Gregory Immel (CDC/CGH/DGHA);

Arlotta, Dawn (CDC/ONDIEH/NCCDPHP); Reed, Christie (CDC/CGH/DPDM) Subject: RE: (SBU) USAID-OFDA West Africa Ebola Outbreak Update

Hello,

From talking with various parties today, including NiH people on CDC sit-reps (produced MWF), which are then sent out to USG partners, should be an easy addition. Those numbers will be included on Monday's report.

On the Embassy issue, because CDC is not making travel arrangements for NIH staff, no one 1 spoke to has a good handle on who and when NIH people are arriving and leaving Liberia. Two options for connecting to the Embassy might be:

- NIH connect directly with Dept. of State. Sharon Jackson (jacksonsp@state.gov) is the DoS liaison to CDC right now and could probably help.
- 2. Or, we can link NIH deployment coordinators and CDC deployment coordinators so they can regularly communicate arrivals of staff

The first option might be the easiest and most flexible, but if the second option is preferred, please let me know and I will find the appropriate people from CDC to connect with.

Thank you, Beth

Elizabeth Ervin, MPH
ORISE Feliow
RPCV Philippines '08-'10
Viral Special Pathogens Branch
US Centers for Disease Control and Prevention

404.639.0038 (Office) wkd8@cdc.gov